

BRUCE'S SEEDS



1917



LIEUT.-COL. W. H. BRUCE,
Officer Commanding 173rd Canadian Highlanders, now Overseas.

EXPRESS AND FREIGHT RATES.

For the information and convenience of our customers we give below the present rates from Hamilton to the various points named. The rates between any two points will be proportioned according to distance. As these rates are subject to change we cannot guarantee them.

FREIGHT RATES FROM HAMILTON PER 100 LBS

*On Barley, Oats, Buckwheat,
Peas and Wheat.*

*On Clover, Timothy, Hungarian,
Millet, Red Top, etc.*

**Express Rates from
Hamilton**

	All Rail.	Lake and Rail.	All Rail.	Lake and Rail.	5 lbs.	10 lbs.	Per 100 lbs.
Port Arthur, Ont.....	\$0 50	\$0 34	\$0 70	\$0 41	\$0 35	\$0 35	\$2 25
Winnipeg, Man.....	0 83	0 73	1 08	0 94	0 35	0 35	3 20
Brandon, Man.....	0 96	0 86	1 25	1 11	0 35	0 40	4 00
Regina, Sask.....	1 14	1 04	1 50	1 36	0 35	0 42	4 20
Calgary, Edmonton, Alta.	1 47	1 37	1 94	1 60	0 35	0 48	4 80
Prince Albert, Sask.....	1 28	1 18	1 68	1 54	0 50	0 50	4 80
Vancouver, B. C.....	1 84	1 74	2 32	2 18	0 35	0 68	6 80
Victoria, B. C.....	1 85	1 75	2 38	2 19	0 5	0 68	6 80
St. John, N. B.....	0 45		0 54		0 35	0 35	2 00
Charlottetown, P. E. I.....	0 54		0 65		0 35	0 35	2 25
Halifax, N. S.....	0 45		0 66		0 35	0 35	2 25

The lowest freight charge is for quantities of 200 lbs. For any quantity under 200 lbs. the charge is the same as for 200 lbs. Express rates are special rates on Seeds, Bulbs and Plants. 25 lbs. and over at proportionate 100 lb. rate.

RB341879

BUSINESS ESTABLISHED 1850.

Office and Warehouse, Cor. King and Macnab Street

JOHN A. BRUCE & CO., LIMITED

Exporters of Clover and Grass Seeds, Seed Growers and Merchants.

HAMILTON, CANADA, January 1st, 1917



IN presenting the SIXTY-SIXTH ANNUAL EDITION OF OUR ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, OF GARDEN IMPLEMENTS AND AGRICULTURAL AND HORTICULTURAL SUNDRIES, we again appeal with confidence to those who have patronized us so liberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business, sixty-seven years ago, and we also avail ourselves of this opportunity to solicit from others whom we have not hitherto had the privilege of serving, a share of their patronage.

WAR CONTINGENCIES.—The seed business, during the past season has had its share of the burdens imposed on many other industries by reason of the disastrous conditions caused by the war in Europe. Our warehouse staff has been reduced by the loss of the services of experienced employees, who considered it their duty to join the overseas forces in defence of the Empire; and the President of the Company, Lieutenant-Colonel W. H. Bruce, commanding officer of the 173rd Canadian Highlanders, has given his whole attention to the preparation of his battalion, and is now on his way to the front. The troubles of the past season, however, are likely to entail other drawbacks in the coming year, caused by the difficulty experienced by our European

growers in filling their contracts; owing to the shortage of labor in the seed fields, and to some extent, unfavorable weather conditions. This is particularly the case in France, where our principal crops are being harvested; the experienced men heretofore employed in seed growing are in the army, and there are only aged men, women and boys available to secure the crops.

SEED CROPS.—Our seeds are principally obtained from growers of experience and reliability in Europe, where climate and labor conditions influence both quality and cost of production. Reports from growers indicate disappointing returns in both Garden and Field Seeds, and had we not provided for this contingency when placing our contracts, we would have found ourselves short of supplies in some important lines; and the conditions abroad are not unlike our experience in Canada, where crops of Garden Beans and Peas are very short, and values much above normal.

SUGGESTIONS TO CUSTOMERS.

CASH WITH ORDER.—Owing to the extended nature of our business connections and the heavy expenses incurred in collecting accounts, we conduct our business on Cash Principles; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount.

REMITTING.—Remittances can be made in current Bank Bills, Postoffice Orders, Postal Notes, and Express Orders, or by Draft, and for amounts under one dollar, in Postage Stamps. Postoffice Orders, Postal Notes, Bank Money Orders, and Express Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are most certain to reach their destination. Do not send checks unless marked by Bank and made payable at par here.

EARLY ORDERS.—As the seed season continues only a few months in the year, there is, of course, great pressure of business when sowing commences. Except in cases of extreme urgency all orders will be executed in rotation as received. We will, therefore, feel greatly obliged if our Customers will kindly forward their orders as soon as possible after the receipt of this Catalogue.

SEND NAME AND ADDRESS.—Please remember to give your name, Postoffice Address and Province, in full. We are frequently in receipt of orders deficient in some of these important requisites, often causing a delay in their execution, greatly to the inconvenience of the sender, as well as ourselves.

Address all Correspondence and make all Money Orders payable to JOHN A. BRUCE & CO., Limited.

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations, we are,

Your obedient servants,

Lt.-Col. W. H. Bruce, President.
E. W. Bruce, Sec.-Treas.

JOHN A. BRUCE & CO., LIMITED

NOVELTIES AND SPECIALTIES IN VEGETABLES

New Early Model Beet

This splendid variety—of English origin—has attained perfection for table use. It is a medium early variety. The roots of Early Model are of good size and run uniformly perfect, almost round, with small, dark, crimson-colored leaves, and a slim tap root. In quality and color it is peerless; very fine grained, tender and sweet, never woody or stringy. Color of both skin and flesh deep, rich, blood crimson, equalling that of the best long Beets. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.



Copenhagen Market.

Swiss Chard or Silver Beet

Grown exclusively for its leaves, which are prepared for table in the same manner as the Spinach, while the large silvery midrib is used by many as a substitute for Asparagus and Sea Kale. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

New Fordhook Bush Lima Beans

Is of stiff, erect habit, branching freely, but with all branches upright. The leaves are large, smooth, and a dark rich green. They bear tremendously, with pods 4 to 5 inches long, containing 4 to 5 large beans. The green beans, even when full size, are tender, juicy, and of delicious flavor when cooked. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c, 5 lbs. \$2.00.

Golden Cream Sweet Corn

An early yellow Country Gentleman type; ears are medium size and covered with irregular rows of bright yellow kernels. It is of most delicious flavor, very sweet and juicy; it bears uniformly two ears to the stalk, and stalks are rather short, of a deep brown color, and the leaves and shucks are conspicuously colored with brownish red. The cob is very small and white, tinted with pink. $\frac{1}{4}$ lb. 15c, lb. 40c, 5 lbs. \$1.90.

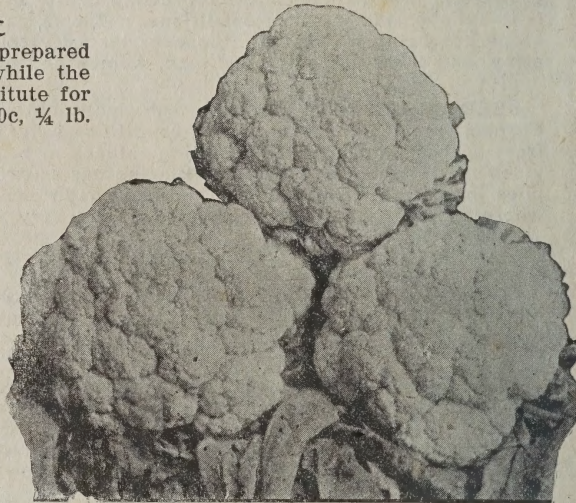
Livingston's Early Sugar Corn

Planted in a favorable season, Livingston's early Sugar is ready for table use in 60 days from time of planting. As compared with other good early sorts, it has bigger ears with more even rows, which are invariably filled well to the tip. Ears average 7 inches long by $2\frac{1}{4}$ inches in diameter, have from ten to twelve rows of deep, broad, pearly white kernels of delightfully sweet flavor, which is not surpassed by any other early kind. Sixty per cent. of the stalks carry two splendid, well developed ears, which are usually placed from 2 to 3 feet above the ground. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.90.

New Early Cabbage,

Copenhagen Market

This new variety is undoubtedly without a rival as the finest large, round-headed early Cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time—(this being a great consideration to market gardeners, entailing less labor in harvesting the crop, and allows the ground to be cleared at the first cutting). The heads average about ten pounds each in weight, are very solid, with small core and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield per acre than that popular variety. The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are light green, rather small, saucer-shaped, and always tightly folded. The plants, therefore, can be set closer than is usual with varieties of similar size. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c, 2 oz. \$1.40, 4 oz. \$2.50.



Bruce's Selected Erfurt Cauliflower.

Bruce's Selected

Erfurt Cauliflower

The largest growers find our extra fine strain of this grand Cauliflower to be the most reliable and profitable on the market. Though it has been grown from our own stock by the same grower ever since we introduced it, and as its germinating properties lose very little, we never send this out the first year, but make a careful test to see it is fully equal to the standard of past years, thus preventing loss to the grower. See page 13. $\frac{1}{2}$ pkt. 15c, pkt. 25c, $\frac{1}{4}$ oz. 90c, $\frac{1}{2}$ oz. \$1.60, oz. \$3.00, 2 oz. \$5.50, $\frac{1}{4}$ lb. \$10.00.



Bruce's Extra Early Hamilton Market Musk Melon

This new extra early melon, like Unsworth's Perfect, introduced by us some years ago, originated with one of our large market growers. Of the Hackensack type, its great value lies not only in the actual time of ripening its first fruit, but that large quantities can be gathered while other so-called earlies are ripening only a few. It is wonderfully productive, the flesh is green, firm, sweet and of high quality. A striking peculiarity of this variety is during the early part of the shipping season the fruits are more flattened at the ends and smaller (about $1\frac{1}{2}$ to 2 lbs.), than they are later on, when they will become more oblong in shape and considerably larger, averaging about 4 lbs. in weight. The seed which we offer for the first time, is from the originator, and we believe will meet the demands of the most discriminating buyers. Pkt. 10c, $\frac{1}{4}$ oz. 15c, $\frac{1}{2}$ oz. 25c, oz. 40c, 2 oz. 75c, $\frac{1}{4}$ lb. \$1.25.

New Honey Dew Melon

The sweetest melon ever grown.

The flesh is a rich, deep green and very sweet. The rind is a dull white when ripe; part of the melons show slight checks in the rind like a tendency to net. This appears when the fruit is ready to pick. The size runs six or seven inches in diameter from top to bottom, and eight inches in length. The matured melons are practically all the same shape and size. The best of all shippers and a splendid keeper. Vines are vigorous and set six to ten fruits to the hill. We recommend this variety to market growers. The seed we offer is grown from carefully selected stock. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75.

Hoodoo Musk Melon

About the size of "Rocky Ford," in shape somewhat more round than that popular variety. The rind and flesh at blossom end is very firm, the skin is thickly netted, and the flesh is a rich, deep orange color, fine grained and of remarkable sweetness. The vines make a strong and vigorous growth, which enables them to withstand disease and produce an abundant crop of the most delicious muskmelons one can imagine. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



Hoodoo Musk Melon.

Bruce's Hamilton Market Pepper

This handsome Pepper is of local origin, and is grown almost exclusively by the large growers of peppers on the north shore of Hamilton Bay and around Burlington, who pretty nearly supply the rest of the province with their peppers. Hamilton Market Pepper is decidedly the earliest and most productive of all large mild red peppers. The strong, vigorous plants grow about 1½ feet high, they are completely laden with beautiful fruits, and bear continuously until frost. Pkt. 10c, ½ oz. 50c, 1 oz. 90c.

Giant Italian Pepper

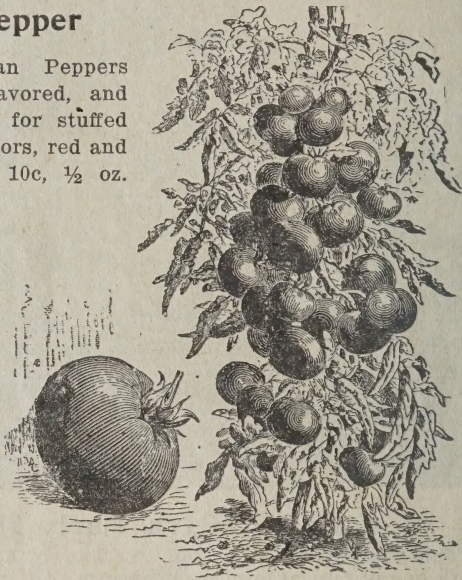
These new grand Italian Peppers are very large and mild flavored, and in great demand by hotels for stuffed peppers. We offer in two colors, red and yellow, square shape. Pkt. 10c, ½ oz. 50c, 1 oz. 90c.



Hamilton Market Pepper.

Bruce's First and Best Tomato

The best extra early and most popular all-round Tomato. Its value lies not only in the actual time of ripening its first fruit, but that such large quantities can be gathered while all other so-called earlies are ripening only a few. Its appearance is magnificent, round, smooth, and a beautiful scarlet color, with grand foliage. It is a fine canner and good shipper, very uniform in size and very solid. It is of splendid quality, and for slicing has no equal. Its attractive appearance has made it the leading variety for market use, and that it has proved worthy is vouched for by the fact that our sales of seed since we introduced First and Best in 1910 have shown a steady yearly increase. This past season, however, owing to the very unfavorable weather conditions, our crop of seed has fallen far short of requirements, and we have only a limited stock to offer. Pkt. 10c, ¼ oz. 15c, ½ oz. 30c, 1 oz. 50c, 2 oz. 90c.



John Baer.

"John Baer" Tomato

A new, extra early variety which the raiser claims produces the most perfect tomatoes ever grown, and entirely without core. It ripens evenly, right up to the stem. There is no blight, no cracked, no wrinkled, no one-sided, uneven, scarred fruit. The color is a glistening, brilliant, bright red, with a mild, deliciously sweet flavor. It is almost seedless, a marvellous stem setter, often ten fruit in first cluster, solid and meaty. The plant has just enough foliage; will stand plenty of manuring without going to vine. Set plants 3 x 3½ feet. A perfect shipper and canner. Several of our customers who have during the past two years grown John Baer, consider it a most valuable variety. Pkt. 10c, ¼ oz. 25c, 1 oz. 75c.

Norseman Radish

This excellent forcing Radish we offered the first time for sale in 1912. It is rose-colored with white tips, short leaved, and can, under favorable conditions, be got ready in three weeks. It will remain long in the hot-beds without becoming spongy or cracking, if not kept too dry. For early forcing it is almost round, while in cold beds it is oval-shaped. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. \$1.50.



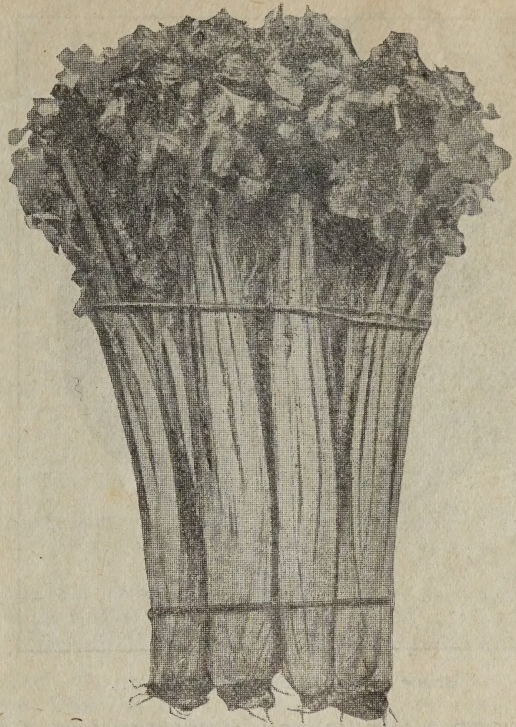
New Forcing Radish—The Norseman.

Celery "White Perfection"

A splendid white celery that we consider is an advance on existing varieties. It is very suitable for market growers or for the private garden, producing firm, fine heads, clean at the base, and very crisp and solid in the stalk. It is compact in habit and of a strong and vigorous constitution. We can recommend it as a fine, very select stock of white celery that will give satisfaction. Pkt. 15c



Bruce's Paris Golden Celery.



Celery, White Perfection.

Paris Golden Yellow Large Solid— Bruce's Selected

This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Our strain is the best to be procured. Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.10., oz. \$2.00.

Wayahead Lettuce

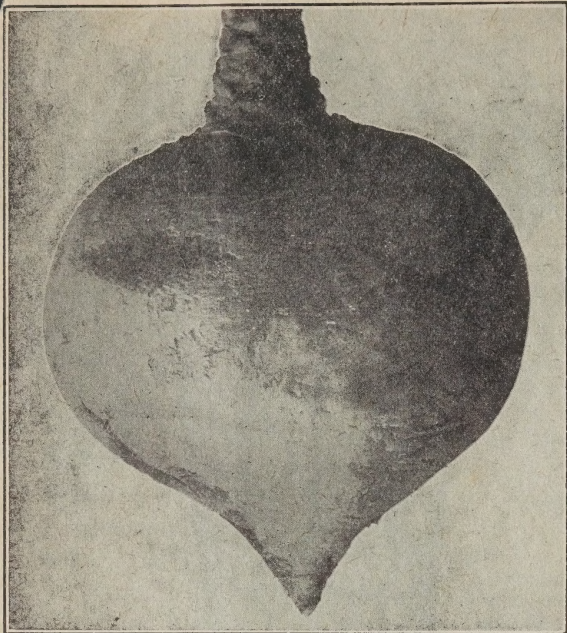
Wayahead shows a remarkable combination of earliness, firm heading character, handsome appearance, and fine quality. Both in cold frames early in the spring and in the open ground it has proved to be not only the earliest and surest heading of any early Lettuce we have ever grown, but also of the finest quality at all seasons. Satisfied planters are most enthusiastic in praise of Wayahead Lettuce. Wayahead is not only earlier than May King, and other fine early varieties, but the heads are also larger in size and more tightly folded. The outer leaves are light green, with the entire head finely blanching to a rich buttery-yellow tint. Wayahead stands a longer time before running to seed than any other early head variety. Pkt. 10c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 80c, lb. \$3.00.



New Wayahead Lettuce.

Bruce's Model Yellow Globe Danvers—This improved variety is the best of the Yellow Globe varieties, large in size, the skin is bright, glossy golden yellow, and the flesh is white and fine grained. The bulbs are remarkably uniform in size and shape, and being firm and hard, possess fine keeping and shipping qualities. The most profitable variety for market gardeners. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

BRUCE'S SPECIALTIES IN FARM SEEDS



Bruce's New Century Swede.

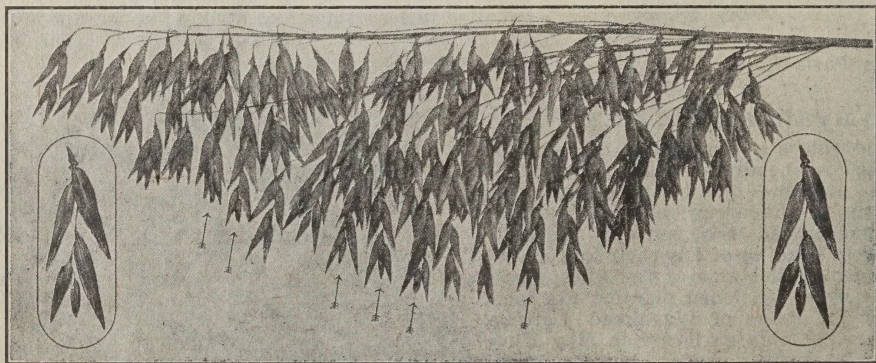
BRUCE'S GIANT YELLOW INTERMEDIATE—Introduced by us in 1891. The large size of the roots, their uniformity, handsome shape, bright, smooth yellow skin, flesh of the most solid texture, nutritious and splendid keeping qualities, make it one of the most valuable introductions of recent years. While in point of size they will not equal the best of the long varieties, yet in yield per acre they have frequently produced as much, and in richness they far exceed the long varieties, added to which they are much more easily harvested, about half of their length being above the ground. We have kept our stock fully up to the original high standard, and it will pay every grower to procure our grand strain of this unequalled variety. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

BRUCE'S NEW CENTURY SWEDE—A purple topped variety, resembling Westbury, of splendid uniform growth, roots clean and of handsome shape. It resists mildew better than any other Swede. It is the best shipping variety. Used for cooking purposes it is unexcelled. In sections where large quantities are grown for the American market the growers will have no other. Our own private stock. Refuse all substitutes. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 37c, lb. 70c.

BRUCE'S GIANT WHITE FEEDING SUGAR BEET—Introduced by us in 1900, it has found great favor with all who have grown it. It combines the rich qualities of the Sugar Beet with the long keeping, large size and heavy cropping qualities of the mangel. The roots are clean and tops small, flesh white, solid, tender and very sweet, and on account of the bigger part of the length growing out of the ground they are easily harvested. The roots are the largest, handsomest, most uniform and cleanest of all Sugar Beets, and this, combined with their richness and easy harvesting quality, makes them the "beau ideal" of a root for the farm. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

Bruce's Giant Rose Feeding Sugar—Has all the good qualities of the above variety, only differing in color, which is rose outside, though the flesh is white, and the roots are barely as large or heavy as the White. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

BRUCE'S MAMMOTH INTERMEDIATE SMOOTH WHITE—This grand half-long Carrot is longer than the White Vosges, and more uniform in shape. Flesh is pure white, solid, of finest quality. Is most productive and easily harvested, a splendid keeper. This carrot is sold under numerous aliases; our name for it is simply descriptive of the appearance of the best of all Field Carrots. We have every confidence in recommending it, and know our strain to be at least the equal to anything offered. $\frac{1}{4}$ lb. 45c, $\frac{1}{2}$ lb. 80c, lb. \$1.50.



NEW LEADER OAT

This exceptionally productive Oat is the first to produce five fully matured grains in a spikelet. It is a medium early, ear Tartarian, thick set and spreading, grain white, plump, with thin husk, straw strong and of fine quality. We have, therefore, no hesitation in claiming that, under normal conditions of cultivation, it will give a greater yield than any other cereal at present in cultivation. It possesses a remarkable adaptability to the various stages of fertility found in different soils, and instead of producing, like most other varieties on very rich soils a rank growth of foliage at the expense of grain production, this new breed develops an ear (as shown in the illustration, possessing up to four or five grains in a spikelet throughout the ear. Owing to this valuable property, some phenomenal yields have been produced. Postpaid 25c lb., 70c peck, \$1.75 bushel here.

BRUCE'S SELECTED VEGETABLE SEEDS

CONDITIONS OF SALE.—John A. Bruce & Co., Limited, take every precaution to supply reliable Seeds, Bulbs, Plants, etc., but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter, of any Seeds, etc. they send out, and they wish it to be distinctly understood they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

CARRIAGE OF SEEDS, ETC.—All Vegetable, Flower, Tree, Hedge and Field Root Seeds, are sent carriage paid by mail or rail, at our option, at catalogue prices. When the purchaser desires his order sent by Express or Freight at his own expense, deduct 10c per pound from the pound prices.

Grains, Clovers and Grass Seeds, Bulbs, Plants, Fertilizers, Insecticides, Bird and Poultry Supplies and Remedies and Sundries, will be priced both delivered and at Hamilton. Above applies to Canada, Newfoundland and the United States.

Where there are Express Offices, Express is cheaper for a fair sized order. The charge for Seeds, Plants and Bulbs, which obtain special rates, is: 5 lbs. and under, 25c to 50c, 10 lbs. 35c to 90c, 25 lbs. 50c to \$2.00, 100 lbs. \$1.00 to \$7.00, according to distance.

ARTICHOKE Artichaut. Fr. Artischoke, Gr.

Sow in April or May in drills two inches deep; thin the plants to four inches, and when strong transplant in deep, rich soil, two feet apart each way; keep the earth loose about them in summer, and cover during the winter with dry litter or leaves for protection. **Green Globe**—Pkt. 10c, oz. \$1.

Jerusalem Artichoke—Cultivate like potatoes, but plant in rows not less than three feet apart. They are enormously productive, and are valuable alike as a table vegetable as well as for feeding stock. By mail, postpaid, 1 lb. 25c, 5 lbs. \$1.00. By freight or express, peck 60c, bushel \$2 here.

ASPARAGUS Asperge, Fr. Spargel, Gr.

One ounce will sow a row of thirty feet.

Sow early in the spring in drills one foot apart. To secure strong, healthy plants, thin out seedlings to three or four inches in the rows. The one-year-old plants should be set out in the spring in a rich, sandy loam, dug eighteen inches deep, in which has been worked plenty of well-rotted manure. Plant in rows, fifteen inches apart, and twelve inches apart in the rows. Spread out the roots all around, and carefully shake the soil in amongst the rows and cover to a depth of four inches. Before winter sets in, cover the beds with six inches of manure, and in the spring give a top dressing of salt. Every fall a good dressing of coarse manure should be applied, after the tops have been cut, and in spring forked in. Never cut too closely, as the roots need the benefit of some foliage during the year.

Columbian Mammoth White—This fine variety furnishes large white shoots, which stay white as long as fit for use, without earthing up, or any other artificial blanching. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 45c, lb. \$1.40.

Conover's Colossal or Early Purple Argenteuil—Large and productive, cultivated extensively for the Paris and other continental markets. Highly recommended. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. \$1.00.

Palmetto—An early variety of large size, very productive and of fine quality. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. \$1.20.

ASPARAGUS ROOTS. Two Year Old

Conover's Colossal, \$1.40. Palmetto, \$1.50. French Giant and Columbia Mammoth, \$1.60 per 100.

When Asparagus Roots are to be sent by mail, add postage at the rate of 60c per 100. Cheapest way to send is by express. Special price per 1,000 on application.

BORECOLE OR KALE Chou Vert, Fr. Gruner Kohl, Gr.

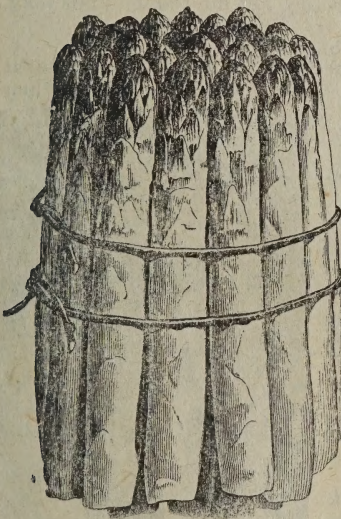
Sow early in spring, cultivate same as Cabbage. They supply a stock of excellent greens for spring and fall use.

Green Curled Scotch—Very hardy, and is improved by a moderate frost. Pkt. 5c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. \$3.00.

For prices of Beans, Sweet Corn and Peas at Hamilton (not delivered), deduct 10c per lb. from catalogue prices.



Borecole or Kale.



BEANS DWARF OR BUSH

Haricot, Fr. Bohnen, Gr.

When the purchaser desires his order sent by express or freight at his expense, deduct 10c. per lb. from the 1b. and 5lb. prices. This also applies to corn and peas

One pound will sow a row of 50 feet. The Dwarf or Bush varieties should be planted in rows, 2½ feet apart and 2 or 3 inches in the row. They are very sensitive to frost or cold, and should not be planted before the second week in May. Hoe often and keep the ground mellow, and draw the earth up to the plants. Plant the pole or running varieties in hills 3 feet apart, and in the hills place poles from 6 to 8 feet high.

DWARF YELLOW PODDED SORTS.

Valentine Wax—Extra early. The pods are round, stringless, and of the finest quality. It is remarkably free from rust and remains a long time before becoming tough. 1 lb. 55c, 5 lbs. \$2.50.

Black Wax or Butter—Pods transparent waxy yellow, thick, tender. 1 lb. 50c, 5 lbs. \$2.25.

Wardwell's Kidney Wax—Extra early, pods long and flat, free from rust. 1 lb. 55c, 5 lbs. \$2.50.

Golden Wax—The standard variety, pods long, broad and flat, very fleshy, finest quality, early and productive. 1 lb. 50c, 5 lbs. \$2.25.

Detroit Wax—Hardy and productive. 1 lb. 50c, 5 lbs. \$2.25.

Refugee Wax—Pods round, clear and transparent and of handsome appearance. Is tender, very productive, free from rust, and stands dry weather well. 1 lb. 50c, 5 lbs. \$2.25.

Flageolet Golden Wax—Produces larger and longer pods than most other yellow podded sorts. Very productive, and for market purposes unexcelled. 1 lb. 50c, 5 lbs. \$2.25.

Giant Yosemite Wax—Very large yellow pods, of finest quality. 1 lb. 55c, 5 lbs. \$2.50.

Davis White Wax—Very productive, fine appearance, also good shell bean. 1 lb. 50c, 5 lbs. \$2.25.

Pencil Pod Black Wax—Hardy, prolific and remains a long time before getting tough. Pods long, a rich, dark yellow, tender and brittle. 1 lb. 50c, 5 lbs. \$2.25.

DWARF GREEN PODDED VARIETIES.

Stringless Green Pod—It combines hardness, earliness and productiveness, with pods of finest quality, long, round, meaty, tender, brittle and of fine flavor and absolutely stringless, even when fully matured. 1 lb. 40c, 5 lbs. \$1.75.

Valentine—Early, round pod, productive, tender, succulent, and of excellent flavor. 1 lb. 35c, 5 lbs. \$1.50.

Yellow Six Weeks—Early and prolific, good for general crop. 1 lb. 35c, 5 lbs. \$1.50.

Refugee or One Thousand to One—Great bearer; late; best for pickling. 1 lb. 35c, 5 lbs. \$1.50.

Large White Kidney—Excellent as a shell bean. 1 lb. 30c, 5 lbs. \$1.25.

DWARF BUSH OR LIMA BEANS.

Burpee's Bush Lima—A bush form of the large flat pole Lima, growing only 20 to 24 inches high and producing an enormous number of well filled pods. 1 lb. 40c, 5 lbs. \$1.75.

Fordhook Bush Lima—The plant of this new variety is of a strong, upright growth, bearing its cluster of pods well above the ground; the pods contain 4 to 5 large, thick, meaty beans, of finest quality. Very productive and possibly the best of all Limas. 1 lb. 45c, 5 lbs. \$2.00.

ENGLISH BROAD BEANS.

These are very hardy, and should be planted as soon as the ground is open; when in full bloom and the flower pod set, pinch off the tops. This insures the filling of the pods and hastens maturity. A strong, heavy soil suits them best.

Taylor's Broad Windsor—The largest and best of the class for general use. 1 lb. 50c, 5 lbs. \$2.25.

POLE OR RUNNING BEANS.

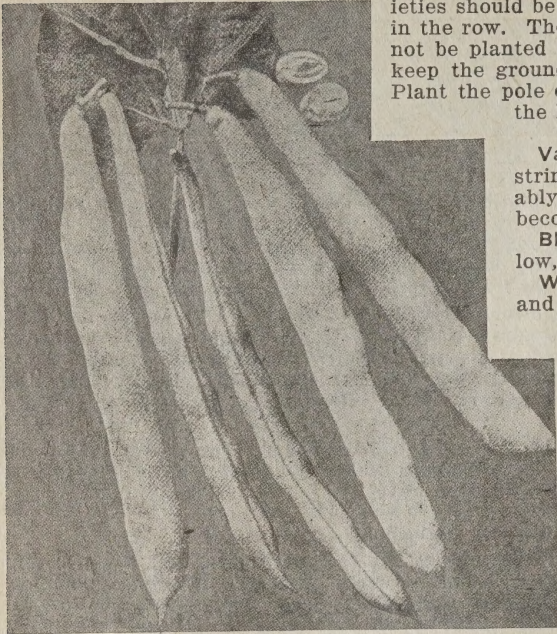
One pound will plant about seventy-five hills.

Siebert's Early Lima—The best variety for northern planting; an enormous yielder; pods medium long, well filled, with large, tender, fine flavored beans. 1 lb. 45c, 5 lbs. \$2.00.

Large Lima—The favorite pole bean; plant when the ground is dry and warm. 1 lb. 40c, 5 lbs. \$1.75.

Scarlet Runners—Very prolific, mostly grown as an ornamental plant. 1 lb. 50c, 5 lbs. \$2.25.

Asparagus, or Yard Long—Pods tender and sweet. ¼ lb. 25c, 1 lb. 85c ¼ lb. packets of any variety of Beans, not specially priced, 15c.



Golden Wax Beans.



Valentine Green Pod Beans.

BEETS

Betterave, Fr.
Rothe Rube, Gr.

One ounce will sow a row of 40 feet; 5 lbs. for an acre.

Beets require a deep, mellow soil; may be sown from the early spring to the commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills 18 inches apart, and thin out the plants gradually to six inches. Keep the soil well stirred.

New Early Model Beet—For description see Novelties, page 3.

Fireball—Perfectly globe-shaped; the skin is smooth, the flesh solid, with a very sweet flavor, and of a bright, intense red color. Very small dark colored leaves and a slim tap root make it valuable for early sowing in frames. It is also very desirable in the open ground, where it retains its fresh table quality better than most beets. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Eclipse—Extra early, turnip shaped variety, remarkable for rapid growth. Roots grow smooth, round shape, intense red skin, flesh very fine grained and sweet. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.35.



Crimson Globe Beet.

Crosby's Egyptian—A selection from the Egyptian, which, while it retains its earliness, has added thickness, giving it a more desirable shape; it is of fine quality, sweet and tender. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Edmand's Early—Very uniform, with small tops of bronze red. Is round, smooth, and good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.35.

Early Blood Turnip—Very tender and good for early and late use. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.35.

LONG VARIETIES FOR WINTER USE.

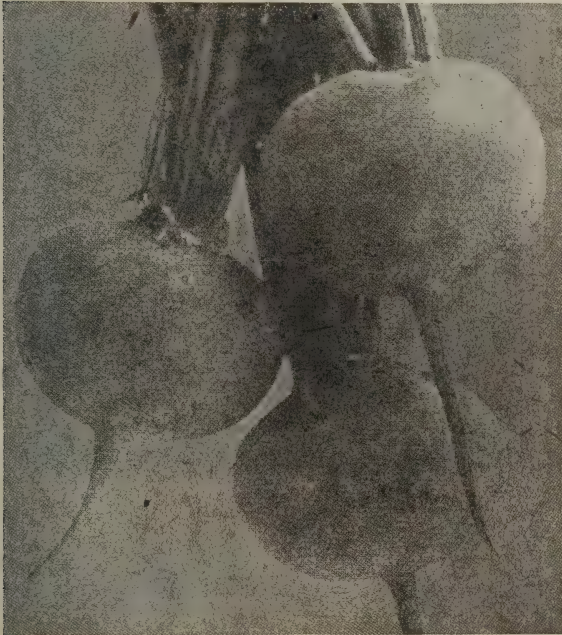
Bruce's Long Dark Blood—Roots very symmetrical and always smooth and handsome. Flesh is dark red, very sweet, crisp and tender, never becoming woody, even in portions above the ground. Retains its good quality longer than other sorts. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Long Smooth Blood Red—An excellent late variety. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 35c, lb. \$1.20.

SWISS CHARD OR SILVER BEET.

Grown exclusively for its leaves, which are prepared for table in the same manner as Spinach, while the large silvery midrib is used by many as a substitute for Asparagus and Sea Kale. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Half-ounce of any variety of Beets will be supplied for 10c.



Eclipse Beet.

Detroit Dark Red Turnip—Small, upright tops, smooth roots, tender and sweet, grand canning variety. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Dewey's Improved Blood Turnip—Roots deep blood red, and of fine form and flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.35.

Black-Leaved Blood Red—Very handsome round shape, fine-grained blood-red flesh, tender and early; the leaves are a beautiful blood red color, almost black. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Crimson Globe—The flesh is fine grained, sweet and tender, of a dark crimson color. Leaves are small, with slender leaf stalks, and as dark in color as Egyptian. Comes in same time as Eclipse. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Egyptian Dark Red Turnip—A standard extra early variety, very deep red, tender and fine flavor. Best for early market. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.35.



Bruce's Long Beet.

BRUSSELS SPROUTS

Chou de Bruxelles, Fr.

Rosen Kohl, Gr.

Sow seed in May; transplant and cultivate same as Cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

Improved Dwarf—Extra fine. Pkt. 5c, oz. 40c, 2 oz. 70c, ¼ lb. \$1.20.

New Danish Prize—Remarkably fine variety, producing an abundant crop of firm, tender sprouts of delightful flavor. Pkt. 10c, oz. 75c, 2 oz. \$1.40, ¼ lb. \$2.50.

BROCCOLI Chou Brocoli, Fr. Spargel Kohl, Gr.

Sow end of April in the open ground, then transplant about two feet apart in deep, rich ground. They produce heads similar to Cauliflower. When they begin to flower, break the large leaves over the head to protect them from the sun.

Early Purple Cape—One of the hardiest and sure to head. Pkt. 5c, oz. 60c, 2 oz. \$1.00, ¼ lb. \$1.75.

Walcheren—Fine snow-white heads, very hardy. Pkt. 5c, oz. 60c, 2 oz. \$1.00, ¼ lb. \$1.75.

CABBAGEChou, Fr.
Kohl, Gr.

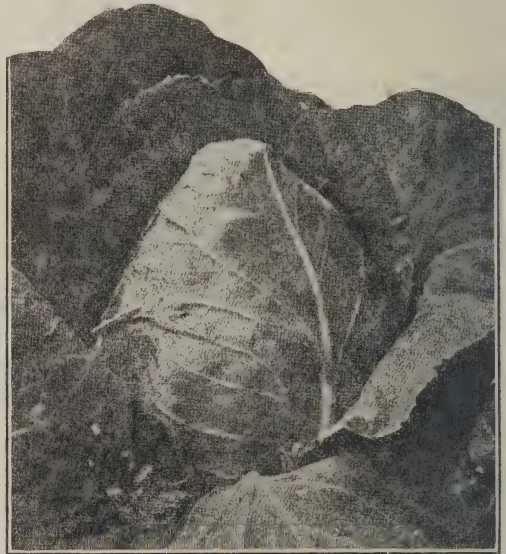
One ounce will sow a bed of four feet by ten and furnish about 2,000 plants. Sow the early varieties in hot-beds or frames, from February to

**Brussels Sprouts.**

April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage, sow the seeds in beds in the open ground at the end of April, or early in May, and transplant into well manured ground. Early varieties should be planted in rows, two feet apart, and fifteen inches in the the rows; late varieties, two and a half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

New Early Cabbage, "Copenhagen Market"—This new variety is undoubtedly without a rival as the finest large, round-headed early cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time. The heads average about ten pounds each in weight, are very solid, with small core and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield per acre than that popular variety. The plant is short-stemmed, the heads being produced almost on ground level. Pkt. 10c, ¼ oz. 25c, oz. 75c, 2 oz. \$1.40, ¼ lb. \$2.50.

Express—Extra early, excels in earliness all others. It has the shape of the Early Etampes, but is smaller and earlier; has but few outside

**Selected Jersey Wakefield Cabbage.**

leaves, and therefore may be planted very closely and yield large crops. Pkt. 5c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. \$3.00.

Early Spring—A round, flat-headed cabbage, as early as Wakefield. Very uniform in shape, It has a very few small outer leaves, thus allowing its being planted as close as any variety known. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. \$1.00, lb. \$3.50.

Extra Early Eureka—It excels all other early cabbage in solidity of head, being as hard and solid as the Danish Ballhead; suited also for a second early or summer crop where a medium sized head will answer. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. \$1.00, lb. \$3.50.

Early Winningstadt—A standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. \$2.75.

Selected Early Jersey Wakefield—To those who may not be familiar with this well-known variety, we would say it is justly considered by market gardeners to be one of the best and most reliable early cabbages in cultivation. Pkt. 5c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. \$3.00.

**Henderson's Summer Cabbage.**

CABBAGE—Continued.

Charleston Wakefield—This variety is much larger than the Early Jersey Wakefield, but not quite so early. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Glory of Holland—A new medium early variety, with large ball-shaped, thin ribbed, hard heads. The plants are pale green, with few outer leaves, which admits of close planting. A particularly attractive variety for market purposes, and a good seller. Pkt. 5c, oz. 30c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Summer Ballhead—The same fine type of cabbage as the Danish Ballhead, but earlier, and a splendid variety for summer use. The heads are large, solid, round, and of good quality. Pkt. 5c, oz. 30c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Succession—Equally good as a medium early, main crop, or for late use. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Danish Ballhead (or Hollander)—The heads are round, of good marketable size, hard and heavy, fine grained and long keepers. It will stand well through a dry season when other sorts fail; matures late. Pkt. 5c, oz. 30c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

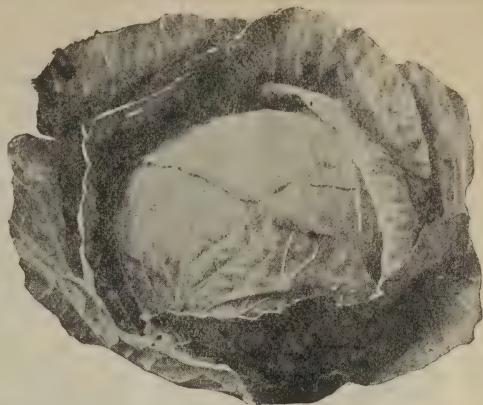
Fottler's Improved Short Stemmed Brunswick—A very low-growing, flat-headed variety; the heads are large and solid and have few outer leaves; it is a desirable intermediate or late sort. This is an old but still very popular variety. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

Danish Drumhead—This is an earlier and shorter stemmed type of the popular Danish Ballhead. It is equal to that variety both in quality and long keeping properties, while the heads average larger and heavier and mature two weeks earlier. A paying cabbage to grow for late fall and winter market. Pkt. 5c, oz. 30c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

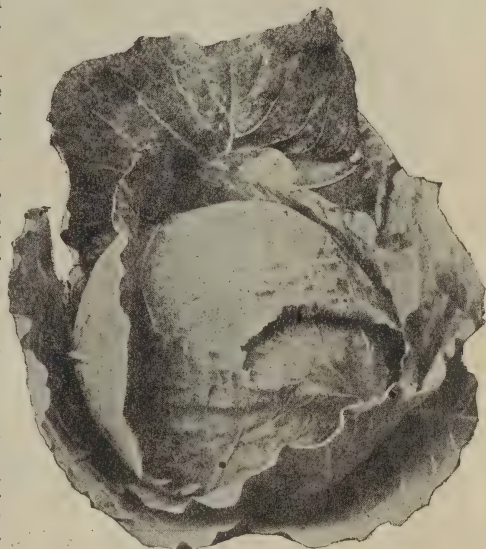
Premium Flat Dutch—A popular variety. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 85c, lb. \$2.75.

Autumn King, or World Beater—Heads very large, broad, thick and solid; stalks short, foliage dark green, with slight reddish tinge; splendid keeper. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Bruce's Winter—This is a distinct extra large and hardy variety; it produces enormous, solid heads, attaining 20 inches in diameter and weighing 20 to 30 lbs. It is very short stemmed, and the heads resting almost on the ground; it is very productive and a good keeper. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.



Glory of Holland.



Danish Ballhead.



Savoy Drumhead.

All Head—A second early sort, very productive and of fine quality; the deep flat heads are remarkably solid and very uniform in size. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Surehead—A large and sure heading main crop cabbage; splendid keeper and shipper. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

All Seasons (Vandergaw)—An early drumhead variety, somewhat later than Early Summer, but larger. Planted late, the heads, which are hard and solid, keep well. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

Henderson's Early Summer—About ten days later than the Early Wakefield, but fully double the size; one of the best large, early cabbage. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

SAVOY CABBAGE

Large German Drumhead—Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce large, solid heads. Pkt. 5c, oz. 30c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Green Globe Savoy—Heads small, but tender, of fine quality. Pkt. 5c, oz. 30c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Plants—Varieties and prices on application.

CABBAGE—Continued.

RED CABBAGE

Red Delicacy—The best Red Cabbage on the market. It is a medium early, of splendid quality, solid and handsome. Pkt. 10c, oz. 75c, 2 oz. \$1.40, ¼ lb. \$2.50.

Red Dutch—A favorite sort for pickling; heads not so large as preceding. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. \$1.00, lb. \$3.50.

Mammoth Red Rock—This is the largest red variety, heads averaging over 10 lbs. each, solid as a rock and of a deep red color, both inside and out. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. \$1.00, lb. \$3.50.

**CARROT**

Carotte, Fr. Mohren, Gr.

One ounce will sow a row of 100 feet : 3 to 4 pounds for one acre

Red Cabbage, Delicacy.

The Carrot succeeds best in light, sandy loam, richly manured and deeply dug. For early crops sow in rows 18 inches apart, and thin out to 6 inches in the row. Hoe often between rows and keep clear of weeds.

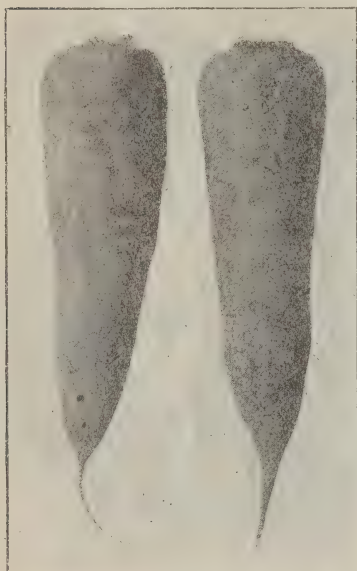
Extra Early Forcing—This is the earliest and best variety for forcing. The root is small, nearly round, and of excellent quality. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 75c, lb. \$2.75.

Early Scarlet French Horn—Stump rooted, deep scarlet, fine flavor. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 65c, lb. \$2.00.

Early Guerande or Ox Heart—Stump rooted, intermediate as to length, between the French Horn and S. Nantes, but much thicker, attaining at the neck from 3 to 4 inches in diameter. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 65c, lb. \$2.00.

Chantenay Half-Long—The best early and most uniform Carrot in existence. Six inches long, stump rooted, very smooth, as shown in photograph, deep red and fine grained. More largely grown for market than any other variety. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 65c, lb. \$2.00.

Danver's Half-Long—A handsome stump rooted Carrot, of rich, dark orange color. It grows to a large size, is smooth, and the flesh very close in texture, with little core. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 65c, lb. \$2.00.



English Horn Carrot.

Lang's Hand
Weeder, 30c
by mail, prepaid.

Early Half-Long Nantes—Large stump rooted variety, superior for table use. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 65c, lb. \$2.00.

St. Valery—A fine intermediate type; superior in quality and shape; beautifully formed roots, with very small core. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 65c, lb. \$2.00.

English Horn, or French Intermediate—A half-long, pointed variety, medium early, and heavy cropper. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$1.75.

Long Orange—Good for general crop, field or garden. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$1.75.

Half-ounce of any variety of Carrots will be supplied for 15c

For Field Varieties—See Agricultural Seeds.

CAULIFLOWER

Chou-Fleur, Fr. Blumen Kohl, Gr.

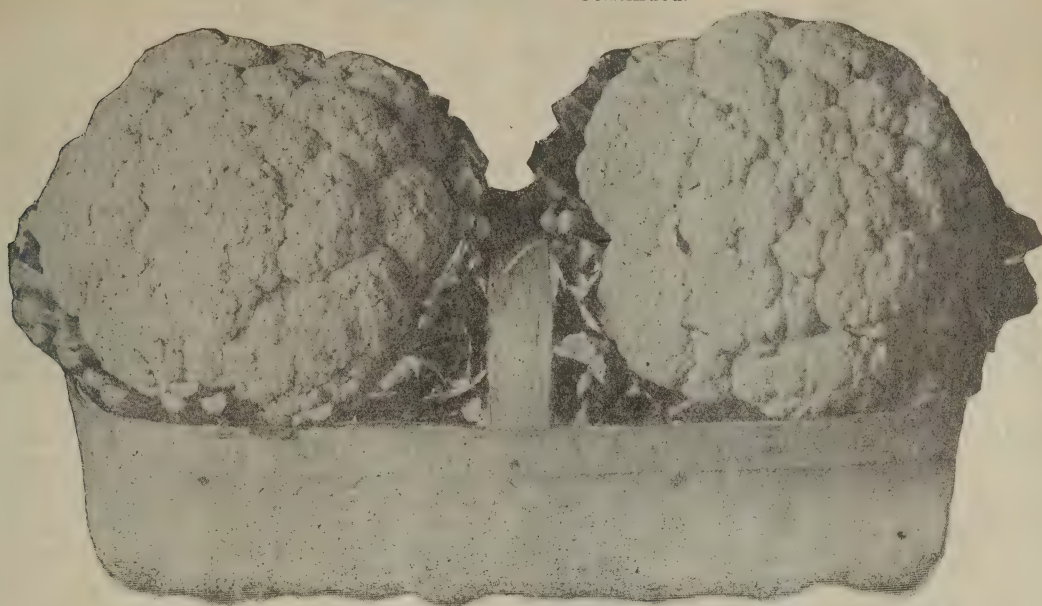
One ounce will furnish about 1,000 plants.

For early crops sow the seed in a gentle hot bed about the middle of March, and for late crops sow in the open ground in May or June, and transplant in rows 2½ feet apart and 2 feet between each plant. A deep, rich loam is the best. In dry weather water frequently with liquid manure, and as they advance hoe deep and draw the earth to the stems; as they begin to head, water and keep the soil open, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost they may be planted in a cellar, where they can be aired in mild weather, when they will form fine heads.



Chantenay Carrot.

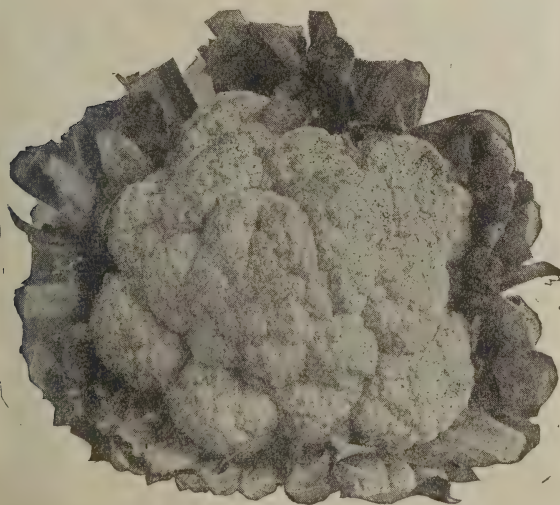
CAULIFLOWER—Continued.



Photographed in a 24 quart basket.

Bruce's Selected Erfurt Cauliflower

Bruce's Selected Early Dwarf Erfurt—We first introduced this famous strain of Erfurt Cauliflower in 1879, and year after year it has become more popular, until leading market gardeners in every section of the Dominion now grow it entirely, as they found our strain of Erfurt to be the surest heading and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit, the plants may be set 20 to 22 inches each way, so that from 12 to 14 thousand can be planted on an acre. For pickling it is the standard variety; in the compact and solid texture of the snow-white heads, combined with its delicious flavor, it surpasses all other sorts. We obtain our supply of seed direct from our growers, with whom we have a standing contract to deliver a stated quantity each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes, have no hesitation in stating for purity it is not surpassed by any other variety, no matter under what name it may be offered. $\frac{1}{2}$ pkt. 15c, pkt. 25c, $\frac{1}{4}$ oz. 90c, $\frac{1}{2}$ oz. \$1.60, 1 oz. \$3.00, 2 oz. \$5.50, $\frac{1}{4}$ lb. \$10.00.

**Bruce's Giant Snowball Cauliflower.**

Large Walcheren—A very large variety; sure header. Pkt. 5c, oz. 60c, 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.75.

Extra Early Paris—Heads medium size. Pkt. 5c, $\frac{1}{2}$ oz. 60c, oz. \$1.00, 2 oz. \$1.75, $\frac{1}{4}$ lb. \$3.00.

Bruce's Giant Snowball—About 10 days later than our selected extra early Snowball, but considerably larger. A well-grown head will measure 9 to 10 inches in diameter, and have depth in proportion. It produces even, regular heads, very solid and of the finest quality. One of the best for late summer and fall crop. $\frac{1}{2}$ pkt. 15c, pkt. 25c, $\frac{1}{4}$ oz. 90c, $\frac{1}{2}$ oz. \$1.60, oz. \$3.00, 2 oz. \$5.50, $\frac{1}{4}$ lb. \$10.00.

Extra Early Snowball, Bruce's Selected—This is the earliest of all Cauliflowers. Dwarf and very short leaved, desirable for frames and in the open ground, where early market is sought. Heads pure white, large, solid, and of extra quality; a sure header. Half pkt. 15c, pkt. 25c, $\frac{1}{4}$ oz. \$1.00, $\frac{1}{2}$ oz. \$1.75, oz. \$3.00, 2 oz. \$5.50, $\frac{1}{4}$ lb. \$10.00.

Le Normand's Short Stemmed—A variety producing large, white, compact heads. Pkt. 5c, $\frac{1}{2}$ oz. 60c, oz. \$1.00, 2 oz. \$1.75, $\frac{1}{4}$ lb. \$3.00.

Bruce's Autumn King—This is a vigorous growing variety, with large, white, firm heads. Pkt. 5c, $\frac{1}{2}$ oz. 60c, oz. \$1.00, 2 oz. \$1.75, $\frac{1}{4}$ lb. \$3.00.

Autumn Giant—Heads pearly white, large, firm and compact. Pkt. 5c, oz. 60c, 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.75.

Plants—Varieties and prices on application.



Bruce's Paris Golden Large Solid Celery.

Paris Golden Yellow Large Solid—Bruce's Selected—This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp, and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Our strain is the best to be procured. Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.10, oz. \$2.00.

Paris Rose Ribbed—This handsome variety is practically identical with the Paris Golden Yellow, except that the naturally golden colored stalks are suffused with a warm, rosy hue, which gradually fades towards the top of the stalks, where it assumes a bright golden color, when blanched. The plant is dwarf and heavy; the stalks broad, solid and brittle, while possessing the crispness, rich and nutty flavor for which red celeries are noted. Pkt. 10c, oz. 80c, 2 oz. \$1.50, $\frac{1}{4}$ lb. \$2.50.

Perfection Heartwell—One of the best for winter use. Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

Pink Plume—This is practically identical with the well-known White Plume, but with the added merit of the stalks being exquisitely suffused with pink, and possessing the crispness and rich nutty flavor for which red celeries are noted. Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

Winter Queen—A valuable variety for winter and spring use. The plant is of stocky and robust habit, and when blanched is a beautiful cream white. Ribs perfectly solid, crisp and of delicious nutty flavor. Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

CELERY Celeri, Fr. Sellerie Gr.

One ounce will furnish about 2,500 plants.

Sow in hot-beds in March, and when three inches high transplant into a well-prepared bed and protect in frosty weather. For late crops sow in April, transplant 3 inches apart, and when 6 inches high plant 6 inches apart into trenches; dig trenches 4 feet apart and 15 inches wide and 10 inches deep; fill in 4 or 5 inches of well-rotted manure, and mix it thoroughly half a spade deep with earth at the bottom. The tops and roots of the plants should be shortened, and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth up two or three times during growth, holding the leaves close with the hand while the earth is drawn up, taking care that none falls into the center of plant. Celery is wonderfully improved by superior culture.

Giant White Pascal—This is the largest celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, are unusually thick, and always crisp and brittle, snapping like glass, and of fine flavor. A very vigorous grower and good keeper. Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

White Perfection—New—For description see Novelties, page 6.

White Plume—The stalks and portions of the inner leaves and heart are naturally white. Its eating qualities are equal to the very best, being crisp, solid and of pleasing flavor, while the white, feathery-like foliage is very handsome on the table. Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

Chicago Giant—It is earlier and larger than White Plume. Its foliage is green and white, and its stalks are tender, brittle, sweet and of a nutty flavor. Pkt. 10c, oz. 75c, 2 oz. \$1.25, $\frac{1}{4}$ lb. \$2.00.

Fin de Siecle—One of the largest, hardiest, solidest, crispest, best keeping and best shipping winter celeries. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.75.



Bruce's Paris Rose Ribbed Celery.

CELERY—Continued.

Syer's Triumph—Of local origin. This splendid half dwarf variety is remarkable for its keeping qualities, remaining in splendid condition all through the winter and into the spring. The stalks which blanch readily to a pearly white, are broad and solid, very crisp, and of the finest flavor. Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

Bruce's Hamilton Red—This is the best of the red celeries, its distinctive features being its size, superior flavor and long keeping qualities. It grows about two feet high, stalks unusually broad, thick and crisp. Pkt. 10c, oz. 75c, 2 oz. \$1.25, $\frac{1}{4}$ lb. \$2.00.

Turnip Rooted or Celериac—Has edible roots which are used for soups, etc., Pkt. 5c, oz. 50c, 2 oz. 85c, $\frac{1}{4}$ lb. \$1.50.

Celery Seed—For flavoring soups, etc. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Celery Plants—Varieties and prices on application.

CHICORY Chicoree Sauvage, Fr. Cichorien, Gr.

It may be sown and treated in the same manner as Carrots. Used to mix with or as a substitute for coffee.

Large Rooted or Coffee—Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

CHIVES.

Grown for their tops, which are used wherever the flavor of onion is required. Perfectly hardy, and should be in every garden. **Chives Seed**—Pkt. 20c, oz. 75c, $\frac{1}{4}$ lb. \$2.50.

CURLED CHERVIL. Cerfeuil, Fr. Kerbel, Gr.

Cultivate and use like parsley. Sow at any time in the spring in shallow drills one foot apart. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

CORN SALAD. Mache, Fr. Ackersalat, Gr.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 90c.

CORN, SWEET OR SUGAR

Mais, Fr. Welschkorn, Gr.

One pound will plant about 100 hills, 10 pounds for an acre. Plant in hills three feet apart each way and three or four grains in a hill. Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks until July.

When the purchaser desires his order sent by express or freight at his expense, deduct 10c per lb. from 1 lb. and 5 lb. prices. This also applies to Beans and Peas.

Early Montana—Originated by Luther Burbank. It is early, ears are well filled, of a good marketable size and the corn is plump, sweet and white. It is very uniform and unusually prolific. Stalks average 6 feet, ears 7 inches long and 12 rowed. $\frac{1}{4}$ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

Malakoff—This is the earliest Sweet Corn grown, and is highly recommended for northern districts; ears and stalks small. $\frac{1}{4}$ lb. 15c, lb. 40c, 5 lbs. \$1.90.

Peep O' Day—Another of the "earliest" varieties. Very productive and of finest quality, being dwarf, $3\frac{1}{2}$ to 4 feet, admits of close planting. This variety is very similar to Malakoff. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Golden Bantam—An early, hardy, productive variety, of fine quality and delicious flavor. It is a ric-, cream yellow, deepening to orange-yellow when ripe. $\frac{1}{4}$ lb. 15c, lb. 40c, 5 lbs. \$1.90.

The Cory—A standard first crop variety with gardeners and market growers. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Mammoth White Cory—A selection from Cory, of the same character in all respects, but superior in that it has a white cob and kernel. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Livingston's Early Sugar—A distinct and valuable addition to the early Sweet Corns. Planted in a favorable season, Livingston's Early Sugar is ready for table use in 60 days from time of planting. As compared with other good early sorts, it has bigger ears with more even rows, which are invariably filled well to the tip. Ears average 7 inches long by $2\frac{1}{4}$ inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor, which is not surpassed by any other early kind. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.90.

Morse's Golden Cream—An early yellow Country Gentleman type; ears are medium in size and covered with irregular rows of bright yellow kernels. It is of most delicious flavor, very sweet and juicy; it bears uniformly two ears to the stalk, and stalks are rather short, of a deep brown color and the leaves and shucks are conspicuously colored with brownish red. The cob is very small and white, tinted with pink. $\frac{1}{4}$ lb. 15c, lb. 40c, 5 lbs. \$1.90.

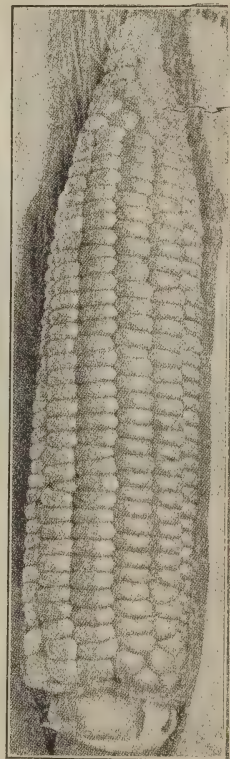
Early Minnesota—A well-known early variety of finest quality. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Early Evergreen—Has the good qualities of Stowell's Evergreen, and is considerably earlier. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Crosby's Early—Rich, sugary flavor, very productive. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Perry's Hybrid—An early variety, nearly as early as Minnesota, and ears much larger, each containing from 12 to 14 rows of kernels. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Kendel's Early Giant—A second early variety, ears averaging 8 to 10 inches in length, with ten or more rows of large, grains of rich, sugary flavor. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.



Golden Bantam.



Stowell's Evergreen Sweet Corn.

CUCUMBER

Concombre, Fr. Gurken, Gr.

One ounce will plant fifty hills. Two or three pounds for an acre.

Open Air Culture—For general crops plant from the middle of May till the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds in each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally. After they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.



Improved Long Green Cucumber.

some fruits, the flesh being peculiarly crisp and tender, and recommended as a slicer. It is equally good for pickles. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Improved Chicago Pickling—A very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Paris Pickling—Fruits slim and slender, 3 to 5 inches in length, crisp and brittle, snap freely and when ready for pickling show no signs of seeds. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Early White Spine—The leading variety for early market; uniform in size, averaging 6 or 7 inches in length; straight, and of a rich, dark green color; flesh white, crisp, solid and of fine flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Arlington, or Improved Early White Spine—A very fine, large fruited early strain, largely used for forcing by market gardeners; it is equally desirable as a market or garden variety, planted in the open ground. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Fordhook Famous—A long white spine variety, growing from 10 to 12 inches in length. Fully as long as Long Green and of equally good quality. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Davis Perfect—This cucumber in size and shape resembles a hot-house variety. The fruits are long and slim, of a rich, dark glossy green color, exceedingly tender and of the finest flavor. Very productive. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

Everbearing—Very early, small size and enormously productive, and valuable as a green pickler. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

SWEET CORN—Continued.

Improved Hickox—A second early, ears nearly as large as Mammoth, more productive, and is largely grown for canning. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Country Gentleman—An exceptionally productive variety, bearing three to five ears on a stalk, and of the finest quality. The cob is very small, giving great depth to the kernels, which are of early whiteness, sweet and tender. Matures a little before Stowell's Evergreen. $\frac{1}{4}$ lb. 10c, lb. 40c, 5 lbs. \$1.75.

Selected. Stowell's Evergreen—The standard variety, remaining green longer than any other kind. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Mammoth—A late variety and largest of all, productive and fine flavored. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Black Mexican—A medium early, highly esteemed by many on account of its remarkable sweetness. Ears large, well-filled with eight rows of large grains, which are a deep bluish-purple. $\frac{1}{4}$ lb. 10c, lb. 35c, 5 lbs. \$1.50.

Parching or Pop—Several varieties, red, black, white, etc. Per lb. 20c, 10 lbs. \$1.80, shelled.

CUCUMBER—Continued.**Cumberland Cucumber.**

Cumberland—Of the hardy white spine type, it is a rapid and vigorous grower, and very prolific. During the whole period of growth the form is exceptionally straight and symmetrical, thus being as fine a slicing variety as a pickling one. The flesh is firm, crisp and tender at all stages. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Boston Pickling or Green Prolific—A popular variety, dark green, uniform small size. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Giant Pera—The green cucumbers are fit to eat at any stage of growth, the flesh is very clear, crisp and brittle, and of fine flavor; fruit from 12 to

15 inches in length. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, 5 lbs. \$1.75.

Japanese Climbing—Fruit of medium size, well formed, and of dark green color; flesh very thick and of exquisite flavor. It can be grown as an ordinary ridge cucumber, or as a climber. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

West India Gherkins or Burr—Used only for pickles. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

English Gherkins—For pickles. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

FRAME OR GREENHOUSE VARIETIES.

Under Glass Culture—Sow from middle of January, in soil that is slightly moist, and give little or no water until the seeds have germinated; when grown to three leaves, plant out in previously prepared loose, rich soil. In forcing, the night temperature should not be allowed to sink below 60 degrees, and the day heat should range from 70 to 80 degrees. Admit air in mild weather.

Lockie's Perfection—A beautiful green, of medium length and unsurpassed flavor; a wonderful cropper. Pkt. 25c.

Telegraph—(Rollinson's)—Dark green in color; quick in growth, handsome and unusually prolific. One of the most reliable sorts. Pkt. 25c.

King George (Sutton's)—The fruits are unusually handsome and perfect in form; they are of good length, dark in color, slightly ribbed, with small, black spines. Pkt. 25c.

Delicacy (Sutton's)—Fruits dark green and of superior flavor; habit extremely prolific, usual length about 18 inches. Pkt. 25c.

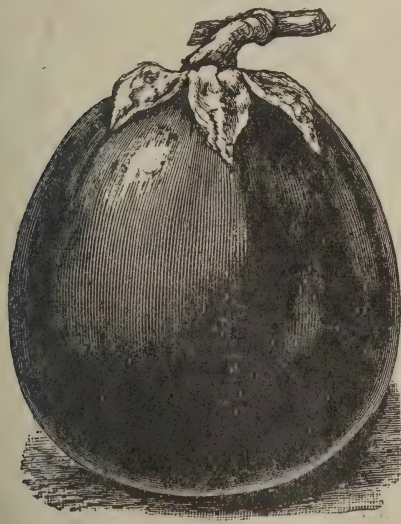
CRESS OR PEPPER GRASS Cresson, Fr. Kresse, Gr.

The curled and broad leaved varieties sow thickly in shallow drills every two weeks throughout the season; give occasional waterings in dry weather.

Extra Curled—Best for salads. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

Broad Leaved—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

True Water—Sow in a well prepared bed, and when rooted, transplant to the banks of a running stream. Pkt. 10c, oz. 75c, 2 oz. \$1.25.

**Frame Cucumber.****Black Beauty Egg Plant.****EGG PLANT** Aubergine, Fr. Eirpflanze, Gr.

Sow seed in a hot bed in March, and plant out end of May in rows 2 feet apart and 1 foot in the rows. They bear fruit when about 15 inches high.

Black Beauty—From 10 to 12 days earlier than New York Improved Purple. The fruits are broad and thick, of most attractive form. The skin is a rich, lustrous, purplish black. The fruits set freely, and are ready to market early, so that the entire crop can be gathered before there is danger of frost. Pkt. 10c, oz. 90c, 2 oz. \$1.50, $\frac{1}{4}$ lb. \$2.50.

New York Improved Round Purple—The leading variety; very large and productive. Pkt. 10c, oz. 75c, 2 oz. \$1.25, $\frac{1}{4}$ lb. \$2.00.

Long Purple—Very hardy; early and productive. Pkt. 5c, oz. 60c, 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.50.

ENDIVE Chicoree, Fr. Endivien, Gr.

Sow in middle of July, in drills or beds; when up, thin out to stand 12 inches apart; when leaves are 6 to 8 inches long blanch them by gathering the leaves in the hand and tying them with matting.

Green Curled—Very heavy; leaves dark green, tender and crisp. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

White Curled—Leaves pale green, a good variety. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

Broad Leaved Batavian—Large, thick, broad leaves; it forms large hearts, which blanched, form one of the best winter salads; excellent for flavoring soups, etc. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

KOHL-RABI, Turnip-Rooted Cabbage Chou Rave, Fr. Kohl Rabi, Gr.

Sow in spring in rows 18 inches apart, afterwards thinning to 8 inches; cooked same as Cabbage.

Early Purple Vienna—Very popular sort. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

Early White Vienna—Handsome, delicate flavor. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

GARLIC Ail, Fr.

Plant in rows 6 inches apart and about 2 inches deep; leave a foot between the rows; when the leaves turn yellow, take up the crop. It is used extensively for seasoning pickles, etc.

Large Canadian Sets— $\frac{1}{4}$ lb. 20c, lb. 45c.

LEEK Poireau, Fr. Lauch, Gr.

Sow early in the spring in drills or beds; when the plants are 8 or 10 inches high, transplant them in rows 6 inches apart and 12 inches between the rows. Plant at least 6 inches deep to have them well blanched. By many they are preferred to onions for soups, etc.

Extra Large Carentan—Very hardy, extraordinary size. Pkt. 5c, oz. 25c. 2 oz. 45c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

LETTUCE Laitue, Fr. Lattich or Garten Salat, Gr.

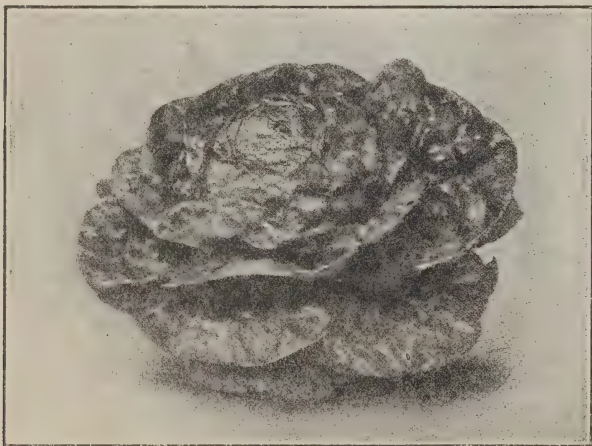
One ounce will sow a row of 100 feet.

For early use sow in hot beds in February, and for general use as early in the spring as the ground can be worked, in a well prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

Unrivalled or Improved Big Boston—This is a most desirable variety, whether grown in the open ground for summer or fall use, or in frames for spring and early summer. The heads are large and solid, color yellowish, leaves tender, crisp and sweet. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Early May King—A very early and extra fine heading cabbage lettuce for early spring planting in the open ground. The plants grow quickly to a diameter of 6 or 7 inches, with the outer leaves very closely folded about the round, solid head. The outer leaves are light green, slightly tinged with brown, the inner leaves being bright golden yellow, with a rich, buttery flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.

Grand Rapids—This variety is best adapted for forcing. Leaves medium size, of light yellowish-green color, much crimped and frilled, forms a fair-sized but loose head, crisp and of good quality. Owing to its upright habit it may be planted very closely. A good shipper. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



New Lettuce, May King.

Brown Dutch—Very hardy, splendid for winter use. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

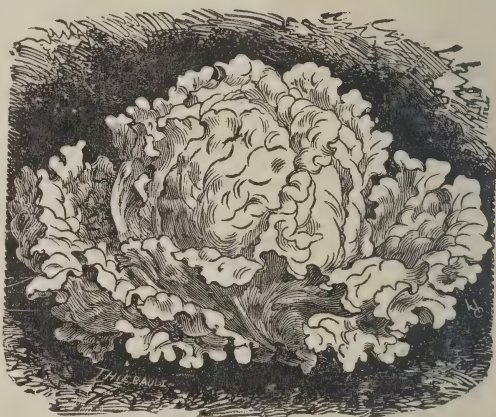
Paris White Cos—Finest form of lettuce of the Cos type. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.

Detroit Market Gardener's Forcing—A variety quite similar to the Grand Rapids in general character, but it will stand higher temperature, so can be crowded to maturity a little quicker, and is also well adapted for outdoor planting. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

New Extra Early "Wayahead"—Wayahead shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground—in spring, summer and early fall months, it has proved to be not only the earliest and surest heading of any early Lettuce we have ever grown, but also of the finest quality at all seasons. The outer leaves are a light green, with the entire head finely blanched to a rich, buttery-yellow tint. Wayahead stands a longer time before running to seed than any other early head variety. Pkt. 10c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 80c, lb. \$3.00.



Leek.



Bruce's Nonpareil Lettuce.

Bruce's Nonpareil Cabbage—This well-known variety has proved itself during the past 40 years to be one of the best Lettuces for outdoor cultivation, and for forcing in the greenhouse it has no equal; in color it is a beautiful yellowish-green, the heads being large, solid, and of the finest quality. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

The Gardener's Favorite (Hamilton Market)—A standard variety for forcing or outdoor cultivation; crisp, sweet and tender. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Hanson—A well-known variety; heads large. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Early Curled Simpson, (Silesia) — Very early and good for forcing. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

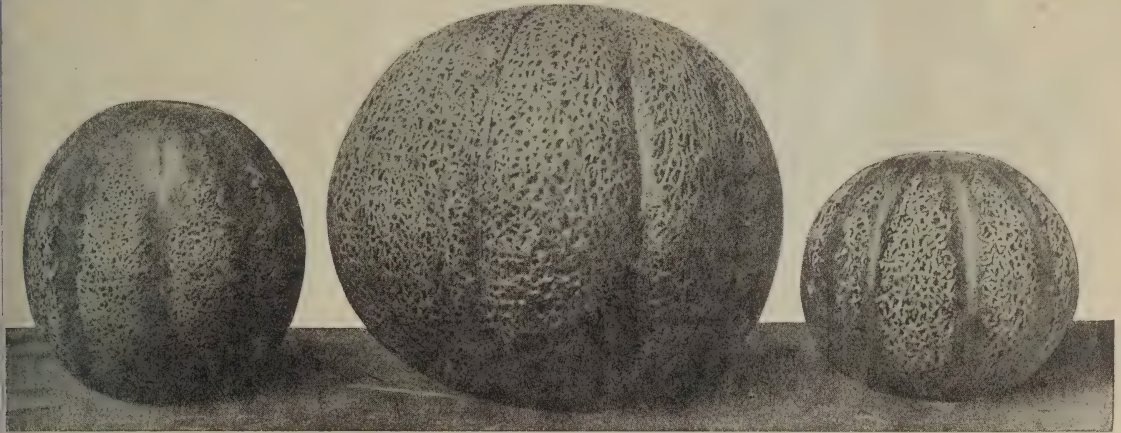
Black Seeded Simpson—A good forcing variety. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

MUSK MELON

Melon, Fr. Melone, Gr.

One ounce will sow about 60 hills; 3 lbs. to the acre.

Culture—Melons thrive best in a light soil, thoroughly enriched with well rotted manure. Plant about the middle of May, when the weather has become warm and dry, in hills 5 to 6 feet apart each way. When the plants attain their third or fourth leaf, thin out to two or three of the strongest plants in each hill. For those who grow for early market, the system usually adopted is to sow on pieces of sod in hot beds about the 15th of May, and plant in the open ground in June, the plants being in the sod are not disturbed when transplanting.



The Grand.

Unsworth's Perfect.

Rocky Ford.

New Honey Dew Melon—See page 4.

Bruce's Extra Early Hamilton Market—New—See Novelties, page 4.

The "Hoodoo"—About the size of "Rocky Ford" in shape somewhat more round than that popular variety. The rind and flesh at blossom end is very firm, the skin is thickly netted, and the flesh is a deep, orange color, fine grained and of remarkable sweetness. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

The Grand—A salmon fleshed variety, of delicious flavor; a first-class shipping melon; it is just the right size, averaging about six inches in diameter, and two pounds in weight. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Unsworth's Perfect—This fine variety is of local origin. It is a finely netted green flesh melon of the Hackensack type, early, productive, of exquisite flavor and handsome appearance. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

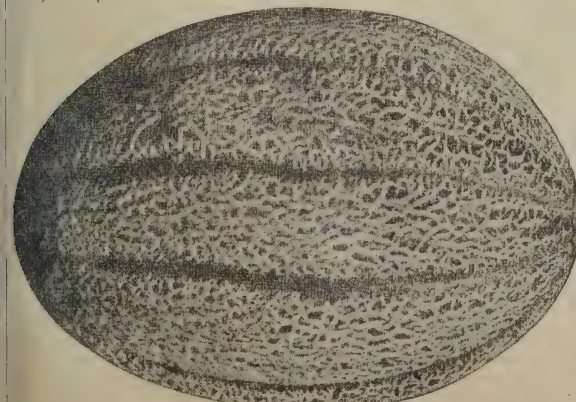
Defender—A salmon fleshed variety, medium size and of exquisite flavor. The fruits are oval in shape, slightly ribbed, and are covered with a slight netting. The flesh is firm, fine grained, rich, deep yellow. The vine is vigorous and productive. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Rocky Ford—An extra early variety, oval in shape and beautifully netted. The melons average about five inches in length and are of the most delicious flavor. Flesh is smooth grained and light green color. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Long Island Beauty—Early, of good size, flattish in shape, well netted, and with sweet, green thick flesh of delicious flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Montreal Improved Green Nutmeg—This variety grows to a large size, beautifully netted and deeply ribbed, flesh light green, melting, and of exquisite flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Osage, or Miller's Cream—Flesh is rich salmon color, very thick, sweet, rich and delicious. It has a thin rind, finely netted, a vigorous grower and very productive. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



Burrell Gem Musk Melon.

Early Hackensack—A standard variety of good size, flesh green, very sweet and sugary. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Paul Rose—The flesh is salmon in color, extra deep, and of the most delicious flavor. They are wonderfully uniform in size and appearance, the average weight being $1\frac{1}{2}$ lbs. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Emerald Gem—Small, early, productive, sweet salmon flesh; smooth skin. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Burrell Gem—The melons are six inches long by four inches in diameter, rather sharply sloping at the ends. They are well ribbed and covered with a fine grayish netting. The skin is a rich, dark green, contrasting finely with the deep, orange-salmon color flesh, which is sweet, tender, thick and firm, ripening close to the skin, leaving only a thin rind. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

WATER MELON Melone d'eau, Fr. Wasser Melone, Gr.

One ounce for every 30 hills. 4 to 5 lbs. per acre.

The Water Melon is purely a tropical plant, greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as Musk varieties, only that the hills should be 8 ft. apart each way.

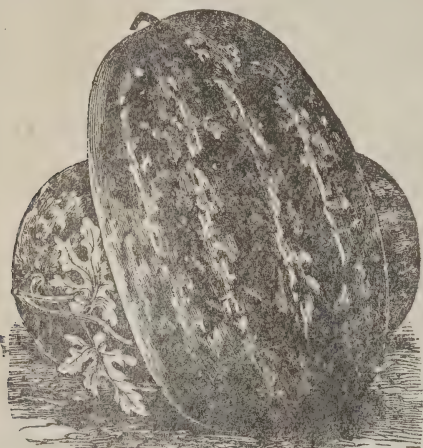
Peerless—An extra early variety of medium size, thin rind, light mottled green; flesh bright scarlet. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Cole's Early—Early, hardy and a sure cropper, of medium size, nearly round, flesh dark red. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Kleckley Sweets—Large, oblong melons, 20 inches in length by 10 to 12 inches in diameter, somewhat tapering at the ends. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The white seeds are placed close to the rind. Flesh crisp and sugary. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Tom Watson—New—Long, oblong, dark green Melon, rind thin, white seed, flesh deep red, finest flavor, no core. Very productive, and an excellent seller and an A1 shipper. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Iceberg—This is the hardiest melon we know of, admitting of earlier planting than any other variety. Melons ripen very early, are uniformly large, of thick, oval form, rich dark green skin, with faint striping of a lighter shade; flesh deep, rich pink, crisp, and melting, remarkable sweet, sugary flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

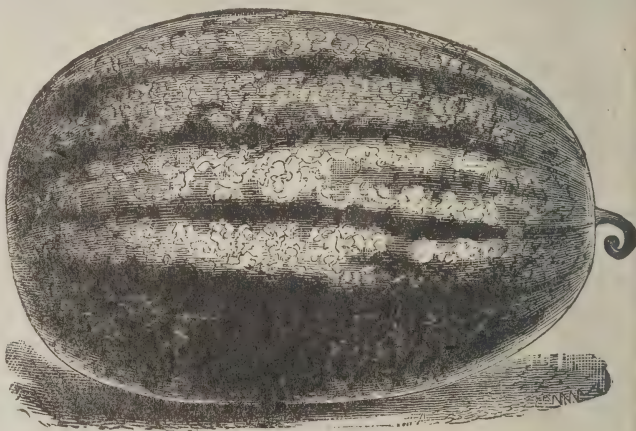


Peerless Water Melon.

Dixie—A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities, and fully equalling the latter in flavor, being a week or ten days earlier than either. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Sweetheart — Early, uniformly large, handsome and productive. As a shipper and long keeper it has no equal. Fruit is oval, heavy, and mottled light green. Flesh bright red, firm and solid, but very tender. A profitable variety for market gardeners. Pkt. 5c, oz. 75c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Black Boulder—Nearly round, of immense size and great productiveness. Its color, a rich, dark, glossy green, almost black, makes it very attractive; the flesh is deep scarlet, sweet and juicy. A splendid shipper and an all round good melon. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.



Dixie Water Melon.

Hungarian Honey—One of the most luscious varieties and at the same time ripens early; is of good size, perfectly round and productive; skin a handsome medium dark green, flesh bright red. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Kolb's Gem, or American Champion—It attains a weight of from 25 to 50 lbs. Its flavor and its keeping qualities are the best. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

The Boss—Oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy, productive and a good shipper; a favorite with market growers. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

McIvor's Wonder—A fine shipper, handsome, and of good quality, oblong in shape, averaging 20 inches in length; skin striped light green on dark ground; flesh pale pink, crisp and sweet. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Citron, Colorado Preserving—Of large size, very productive, and of excellent quality. Green seed. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Citron—Fruit round, flesh white and solid; used for making preserves only. Red seed. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.



Sweetheart Water Melon

MUSTARD Moutarde, Fr. Senf, Gr.

For early salad sow in hot-beds in February and March, and for general crops at intervals throughout the season in shallow drills 6 inches apart.

Chinese, or Giant Curled—The leaves are twice the size of the ordinary, while the flavor is sweet and pungent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00. **White**, for salad, pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c

MUSHROOM SPAWN

Blanc Cha pignon, Fr.
Essbarre Blatter Schwamme, Gr.

Mushrooms can be grown in any cool, shady situation out of doors in the summer time, and during the winter months in any greenhouse, shed or cellar where the temperature does not fall below 45 deg., and is tolerably uniform. These are possibly the most profitable crop for the outlay that can be grown. The spawn we offer can be thoroughly relied on to produce a good crop of the best mushrooms. Directions for cultivation accompany each order.



Lambert's Pure Culture Spawn—An American product, made from carefully selected spawn, which is claimed is much more vigorous than the imported article, and will produce Mushrooms of a very superior quality and flavor. This spawn received the highest award at the St. Louis Exposition. Bricks are of two kinds, **Standard** and **Direct bricks**. The standard brick is inoculated from a pure culture transfer. The direct brick is inoculated directly from the pure culture, as raised in laboratory, without intermediate transfer.

Standard Bricks (White or Brown Mushrooms)—Per brick 25c; per dozen \$2.50.

Direct Bricks (White or Brown Mushrooms)—Per brick 30c; per dozen \$3.00.

If to be sent by mail add 15c a brick or 50c for 6 bricks for postage. One brick of Lambert's Spawn weighs from $1\frac{1}{4}$ to $1\frac{1}{2}$ lbs., and will be sufficient to spawn about one square yard of bed. Book on Mushroom Culture and Pure Culture Spawn 15c, or free with orders of $\frac{1}{2}$ doz. or more bricks.

French Virgin Spawn—Virgin Spawn is characterized by its great vigor of growth, and being raised from spores of the best and healthiest mushrooms, it does not contain any of the bacterial or other organisms which may be prevalent in spawn that has not been manufactured and sterilized by this new process, sold in the form of compressed and sterilized manure slabs and tablets, thoroughly pervaded by the spawn, and which are $1\frac{1}{2}$ ins. thick and $2\frac{3}{4} \times 3\frac{3}{4}$ ins. in surface. 15c tablet, \$1.50 doz. If by mail, add 5c each, or 40c a dozen for postage.

Fresh English Milltrack Spawn—In bricks 20c each, 5 for 90c, 12 for \$1.80. If to be sent by mail, add 15c a brick or 50c for 6 bricks for postage.

ONION

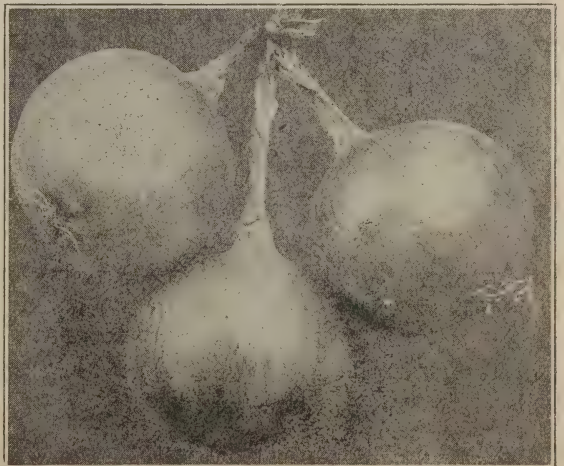
Zwiebeln, Gr.

Oignon, Fr.

One ounce will sow a row of 100 feet; 5 lbs. to the acre.

Onion seed is sown from the first of April to middle of May, the earlier the better, provided the ground is light enough to work dry and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow 12 inch drills, about four inches apart, but not covered.

Bruce's Model Yellow Globe Danvers—This improved variety is the best of the Yellow Globe varieties, large in size, the skin is bright, glossy golden yellow, and the flesh is white and fine grained. The bulbs are remarkably uniform in size and shape, and being firm and hard, possess fine keeping and shipping qualities. The most profitable variety for market gardeners. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.



Bruce's Model Yellow Globe Danvers.

**Red Wethersfield Onion.**

early red varieties; productive and one of the best to keep. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

Southport Red Globe—Skin deep red, flesh white, mild and tender; handsome in appearance. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

Extra Early Flat Red—Resembles the Wethersfield in color, but much earlier; valuable for heavy, late soils. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

White Globe—A large, globe-shaped variety; very solid, of mild flavor and good keeper; clear white skin. Commands highest market price. Pkt. 5c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

White Portugal—Large, flat mild, fine for early winter. Pkt. 5c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

White Welsh—This variety is grown exclusively for bunching, or green onions. Very mild and delicate flavored. Pkt. 5c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.10, lb. \$3.50.

Australian Brown—Of good marketable size, It ripens earlier than Yellow Danvers or Red Wethersfield. The outside skin is of a deep, amber brown, distinct from all other onions, and it is extremely hard and firm, and of fine flavor, and is the best keeper of all onions. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 60c, lb. \$1.90.

Ailsa Craig—This is a splendid exhibition variety, and if transplanted grows to an immense size. It is a very large, oval shaped variety, with light, straw colored skin. Pkt. 10c, oz. 50c, 2 oz. 90c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Giant Prizetaker—American grown. This variety may be grown to an enormous size by sowing the seed in a hot bed in February or March and transplanting out as soon as the ground is in condition, some of our customers exhibiting specimens weighing as much as 3 lbs. each, and measuring 18 inches in circumference. Globe shaped, of a rich, straw color, solid and an excellent keeper; flesh white, in flavor mild and sweet. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

NEAPOLITAN ONIONS.

Giant White Tripoli—Large and handsome. Pkt. 10c, oz. 50c, 2 oz. 90c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Mammoth Silver King—An extra large, white skinned and white fleshed variety. It matures early. In shape somewhat flat, and of an exceedingly mild and delicate flavor. Pkt. 10c, oz. 50c, 2 oz. 90c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Giant Rocca—Large globular shaped, light brown skin. Pkt. 5c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.10, lb. \$3.50.

PICKLING ONIONS.

Small Silver Skin Pickling—A standard variety, largely grown for pickles. Pkt. 5c, oz. 40c, 2 oz. 70c, $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

ONIONS—Continued.

Danvers Yellow Globe—A fine variety; above the medium size; globular in form, skin yellowish brown, flesh white; mild and well flavored; very productive. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

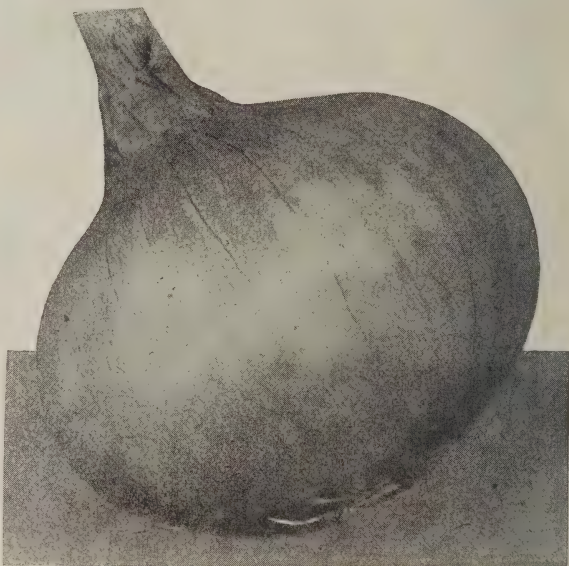
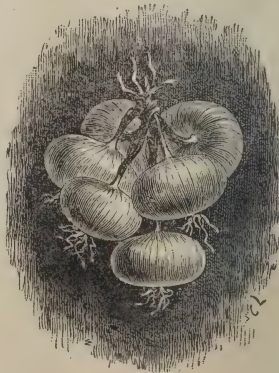
Danvers Yellow Flat—Similar to the Yellow Globe, but flat in shape. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 60c, lb. \$1.90.

Southport Yellow Globe—The handsomest of American varieties, perfect in shape, large, solid, splendid yielder and keeper. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

Yellow Dutch or Strasburg—Very flat and productive. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 60c, lb. \$1.90.

Extra Early Australian Yellow Globe—A new yellow strain of the popular Australian Brown. It is globe shaped, of medium size and very solid; skin a light brownish yellow. The flesh is pure white and mild in flavor. Thin necked, they ripen evenly and quickly in all soils and possess remarkable keeping qualities. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 65c, lb. \$2.10.

Large Red Wethersfield—Skin deep purplish red; flesh purplish white; fine grained and stronger flavor than that of the yellow and

**Giant Prizetaker Onion.****Silver Skin Pickling.**

ONIONS—Continued.

White Barletta—An extra early small, white skinned variety, flesh pure white; very mild in flavor; excellent for pickling. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. \$1.50, lb. \$5.00.

Queen—This is another extra early variety; small, flat and mild flavored. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. \$1.50, lb. \$5.00.

ONION SETS

When wanted in large quantities, write for special quotations.

White Potato	Per lb. 20c, 5 lbs. \$0.90
Dutch Sets—White	" 30c, " 1.40
Dutch Sets—Yellow	" 25c, " 1.20
Shallots	" 20c, " .90
English Potato	" 20c, " .90

Prices of Onion Sets are here; if required by mail, add 10c per lb. for postage.

OKRA Gombo, Fr. Safran, Gr.

Plant late in the spring (after the ground has become warm), in drills two and a half feet apart; thin out to 9 inches in the row. Use the pods when green and tender.

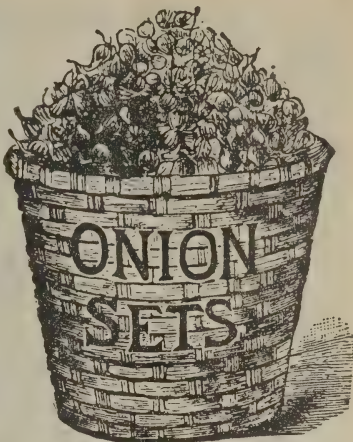
Dwarf Green—Round, smooth pods. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$2.00.

PARSLEY Persil, Fr. Petersilie, Gr.

Sow early in the spring in drills 12 inches apart, thin out the plants to 6 inches apart. To have green during the winter, remove plants into a box and place in a light cellar or cold frame.

Extra Curled—Leaves beautifully curled. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. \$1.50.

Champion Moss Curled—This is the perfection of Parsley. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. \$1.50.



Champion Moss Curled Parsley.



Parsnip—Bruce's Hollow Crown.

PARSNIPS Panais, Fr. Pastinaken, Gr.

Sow as early as the ground will permit in rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in the ground through winter.

Bruce's Improved Hollow Crown—A decided improvement on the old variety; roots are finely shaped and flavor excellent. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. \$1.00.

The Student—Well known variety, fine flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. \$1.00.

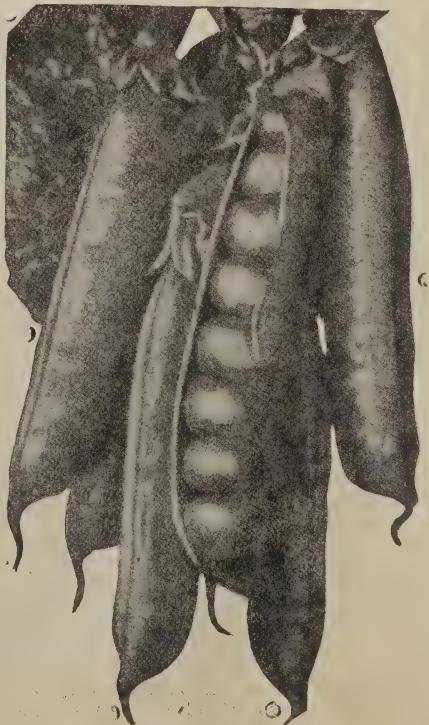
PEAS Pois, Fr. Erbsen, Gr.

One quart for a row of 75 feet.

The soil best adapted for the Pea is a rich loam, well manured the previous year (using thoroughly decomposed manure, if any, immediately before planting). For early crops, sow as early in the spring as the ground can be worked, in drills three feet apart, and for a succession every two weeks until the 1st of July. When they are about two inches high, begin to draw the earth to the stems. Hoe often in dry weather. Peas should be soaked in water before planting, and if the ground is very dry they should be watered in the hills.

When Peas are to go by Express or Freight at customer's expense, deduct 10c per lb. from 1 and 5 lb. prices.

New Extra Early Pea, Little Marvel—For the earliest crop this variety is better than either American Wonder or Nott's Excelsior, as it matures earlier and the pods contain more peas. It is dwarf, growing about 15 inches high, and the plants are very productive, bearing many twin pods, which are dark green in color. ¼ lb. 15c, 1 lb. 45c, 5 lbs. \$2.00.



Little Marvel Pea.



Bruce's Unrivalled Pea.

The Sherwood—Another new and improved extra early dwarf wrinkled variety, a decided advance on the old dwarf varieties of the Wonder type, the pods being larger, containing 7 to 8 peas of the finest flavor; good cropper, height 20 inches. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

Bruce's Unrivalled—New—It is a more robust form of American Wonder, growing five or six inches higher, and about ten days later. The pods, which are of the same brilliant deep green color as the plant, are produced in great profusion, each completely packed with 8 to 10 large and very sweet flavored peas. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

Thomas Laxton—A fine variety, producing large pods in abundance and of delicious quality. It will mature as early as the extra early smooth peas, and being a wrinkled sort, is much sweeter. It is an improvement on Gradus, being earlier, hardier and darker. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

Gradus—Pods are as large and as well filled as Strata-gem, with peas of exquisite flavor. The vine has heavy stems, with large, dark green leaves, and grows to a height of three feet; pods large, nearly round, and of a deep green color. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

Alaska—One of the earliest blue varieties, productive, and a good canner. Height $1\frac{1}{2}$ feet. $\frac{1}{4}$ lb. 10c, 1 lb. 30c, 5 lbs. \$1.25.

Bruce's Early Conqueror—This well known variety surpasses all other Peas as to earliness. Prolific cropper, bearing large pods; ripens up with wonderful uniformity, making it a most profitable early pea for market gardeners to grow. Height 2 feet. $\frac{1}{4}$ lb. 10c, 1 lb. 30c, 5 lbs. \$1.25.

American Wonder—An extra early dwarf wrinkled variety, unrivalled in point of productiveness, flavor and quality. Height 10 to 12 inches, with a very branching habit. $\frac{1}{4}$ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

Nott's Excelsior—A fine extra early, a few days later than the American Wonder, but pods larger, very prolific and of splendid flavor. Height 1 foot. $\frac{1}{4}$ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

PEAS—EXTRA EARLY VARIETIES.

New Extra Early Pea, Richard Seddon—This new variety is as early as American Wonder, but a far more abundant bearer. The vines and pods are deep green, the latter crowded with 7 to 9 large peas of the very best color and flavor. A good canner and one of the best all round early sorts. Height 16 to 20 inches. $\frac{1}{4}$ lb. 15c, 1 lb. 45c, 5 lbs. \$2.00.

Bruce's "Regal"—One of the finest early dwarf peas ever introduced. It is good in all respects and ready for gathering several days before "Gradus," the pods are very large, quite double the size of any of the "American Wonder" type. Height averages 18 inches, a nice height for market or private purposes. The haulm is covered with even sized pods, 8 and 9 on a vine, and 9 and 10 peas in a pod. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

Velocity—New—Extra early—A round, blue pea, not so large or sweet as the wrinkled varieties, but its extreme earliness makes it very valuable. Grows about two feet high. $\frac{1}{4}$ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

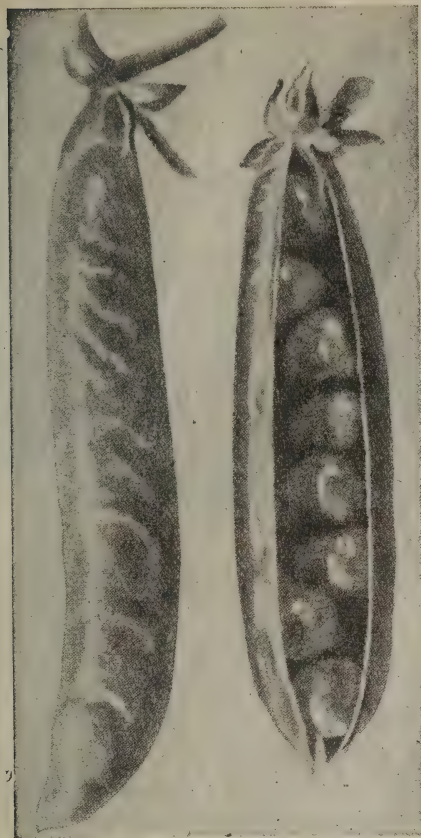
New Extra Early Pea, Little Marvel—See Novel-ties, page 3.

Bruce's Early Settler—A grand extra early wrinkled marrow variety. The pods are large, deep green, and filled with large peas, possessing the rich flavor and quality of the best late varieties. It attains a height of about $1\frac{1}{2}$ feet and is very productive. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

The Pilot—New Extra Early—It is a hardy, vigorous branching plant, growing three feet in height, and bears throughout the length of the haulm a large proportion of pods in pairs, which contain five deep green peas of exquisite flavor. The best of all early round-seeded varieties. $\frac{1}{4}$ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.



Pea—Thomas Laxton.



Pea—Bruce's Improved C. P. R.

PEAS—Second Early Varieties.

Heroine—Growing about 2½ feet high, it bears a profusion of large pointed pods, many of which contain from 8 to 9 large peas of the finest quality; rich, buttery, marrow-like flavor. ¼ lb. 10c, 1 lb. 30c, 5 lbs. \$1.25.

Daisy, or Dwarf Telephone—A second early pea of a sturdy and branching habit. The vines grow about 2 feet in height, bearing an abundance of well-filled pods, containing seven to nine large and deliciously flavored peas. ¼ lb. 15c, 1 lb. 40c, 5 lbs. \$1.75.

McLean's Little Gem—This Pea is now a well-known standard variety. It is one of the best dwarf early sorts, and of exquisite flavor. Height 1 foot. ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

GENERAL CROP.

Telephone—Immensely productive, and of the finest quality. Vines very strong, averaging 18 to 20 pods per stalk; the pods are of large size, containing 6 to 7 peas each, which are of a pale green color, and are closely packed in the pod and of most delicious flavor; height 4 feet. ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

Champion of England—Good for general crop, very fine flavor; height 4 feet. ¼ lb. 10c, 1 lb. 30c, 5 lbs. \$1.40.

Improved Stratagem—One of the best of the many English Peas. It grows to a height of two feet, and the plant is literally covered with immense pods, many measuring six inches in length and frequently containing ten large, fine flavored peas. ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

Bruce's Improved C. P. R.—The best main crop, blue, wrinkled marrow pea. It grows about two feet high, of a sturdy, branching habit, and it requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large and slightly curved, and filled with peas of a fine deep green color, and of the most delicious flavor. ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50.

Sugar or Edible Podded—The pods are cooked like String Beans. If used when but half-grown they are deliciously tender and sweet. ¼ lb. 20c, 1 lb. 60c.

Large White Marrowfat—Great bearer, large pods. ¼ lb. 10c, 1 lb. 25c, 5 lbs. \$1.15.

Black-Eyed Marrowfat—A very prolific, first-rate variety. ¼ lb. 10c, 1 lb. 25c, 5 lbs. \$1.15.

PEPPER

Piment, Fr. Spanischer Pfeffer, Gr.

Sow early in the spring in a hot-bed and transplant end of May in rows 18 inches apart and 10 inches in the row, and earth up a little at one or two hoeings.

Bruce's Hamilton Market—See Novelties, page 4.

Neapolitan—This is one of the earliest of all large, mild red peppers, and very productive. The plants are strong and vigorous and bear their handsome fruits continuously throughout the season. The skin and flesh are bright red; they are thick-meated and very mild. Pkt. 5c, oz. 60c.

Chinese Giant—Undoubtedly the largest sweet pepper. The plant is of strong, vigorous growth, about two feet high when fully grown, and a very prolific bearer of large peppers, which are of a bright scarlet color when ripe. The flesh is quite thick, very mild and remarkably sweet. Pkt. 10c, ½ oz. 50c, oz. 90c.

Chili—Pods pendant, shape conical, about two inches in length; very piquant. Pkt. 5c, oz. 60c.

Bell or Bull Nose—A large, early variety, sweet and mild. Pkt. 5c, oz. 60c.

Long Red—Pods brilliant red, and three or four inches in length; very productive. Pkt. 5c, oz. 60c.

Mammoth Spanish—One of the largest and earliest varieties. Flesh is sweet and mild. Pkt. 5c, oz. 60c.

Monstrous, or Grossum—A remarkably fine variety, growing to a large size. Pkt. 5c, oz. 60c.

Procopp's Giant—Very large, thick fleshed, scarlet variety. Pkt. 5c, oz. 60c.

Ruby King—Beautiful bright red; fruit very large and mild. One of the best. Pkt. 5c, oz. 60c.

Cayenne—Pods are small, cone shaped, coral red when ripe. Pkt. 5c, oz. 60c.

Cherry—Pods of fruit erect, nearly globular, cherry form; of deep, rich, glossy scarlet. Pkt. 5c, oz. 60c.

Giant Italian—Red and Yellow—See Novelties, page 4.



Ruby King Pepper.

PUMPKIN

Potiron, Fr. Kurbis, Gr.

Plant middle of May in manured hills eight feet apart and leave but two or three plants in a hill.

Cheese—Medium size, one of the best for cooking purposes. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Sugar—Average about 10 inches in diameter, flattened or slightly ribbed, skin orange-yellow, flesh sweet, splendid keeper. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Large Yellow—Better adapted for feeding purposes than for cooking. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

King of Mammoth or Jumbo—Can be grown to an enormous size; flesh fine grained and of excellent quality. Pkt. 10c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Japanese Pie—Crooknecked variety, productive, ripens early, medium size, good keeper. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

SELECTED SEED POTATOES

Pomme de Terre, Fr. Kartoffel, Gr.

We would advise customers to place their orders for potatoes early as pure potatoes free from disease are very scarce. Ours have been especially grown for seed purposes, and our supply, which is limited to a car, is the finest sample we have seen this fall. If you decide to place an order with us, send it in as soon after you receive our catalogue as possible, to avoid disappointment.

Irish Cobbler—Popular early, good quality, white skin, largely grown by market gardeners.

Early Rose—Oblong in shape, pink in color, very productive.

Extra Early Bovee—An extra early, wonderfully productive variety, of excellent quality. Skin flesh color.

Extra Early Ohio—A fine extra early potato of vigorous growth and superior quality. Skin pink.

Extra Early Eureka—A white-skinned extra early variety of good quality, and a good cropper.

Noroton Beauty (Quick Lunch)—A most productive early variety, yielding as heavily as the medium early sorts; of handsome appearance and uniform in size and shape, with flesh-colored skin and pink eyes; splendid keeper.

Chicago Market—A fine extra early variety, resembling the Ohio, an improvement on this fine sort.

Delaware—Medium early, heavy cropper, fine quality; largely grown.

Beauty of Hebron—A week later than Extra Earlies, but larger, better quality and heavier yielder, with skin of light rose color; highly recommended.

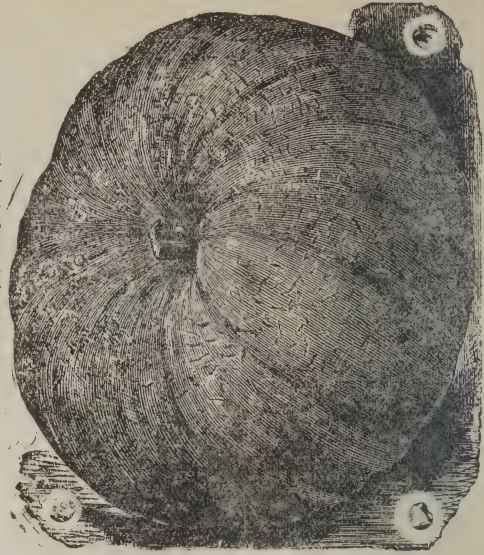
Green Mountain—Medium early, heavy cropper, fine quality.

Pride of North—Medium early, prolific and a fine cooker.

Empire State—A vigorous growing, productive main crop variety of splendid quality.

Prices of above varieties subject to market fluctuations. By mail, postpaid, 1 lb. 25c, 5 lbs. \$1.00. By express or freight, peck 75c, $\frac{1}{2}$ bushel \$1.35; bushel \$2.50, bag \$3.50 here. Jute bags 15c ea., extra.

We usually commence shipping about 1st April (weather permitting).



King of Mammoth Pumpkin.

Potatoes are forwarded by express or freight as directed, purchaser paying charges. We assume no risk on Potatoes, which are shipped strictly on purchasers' responsibility.



RADISH

Rettig, Gr.

Radis, Fr.

One ounce will sow a row of 100 feet.

For early crops they should be sown in hot beds in February or March, and the open air as soon as the ground can be worked and at intervals of ten or twelve days for a succession throughout the season. Sow in drills 8 to 10 inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August and lifted before severe frost. A warm loam, made rich and light by some well-rotted sandy manure will be the most likely to produce them brittle and free from worms.

Bruce's Non Plus Ultra (forcing)—

A wonderfully rapid grower, which is

fit for use within three weeks; the root is round and bright scarlet; the flesh tender and delicate; it produces but few leaves. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

Rosy Gem (forcing)—One of the earliest, perfectly globular; color rich, deep scarlet at the top, blending into pure white at the bottom, exceedingly tender and crisp. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

New Forcing Radish—The Norseman—See Noveties, page 5.

RADISH—Continued.

Bruce's In and Out (forcing)—Similar in size and shape to the Scarlet Turnip White Tipped, but of smaller top and much quicker growth, coming to maturity in a little over 20 days; desirable variety. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

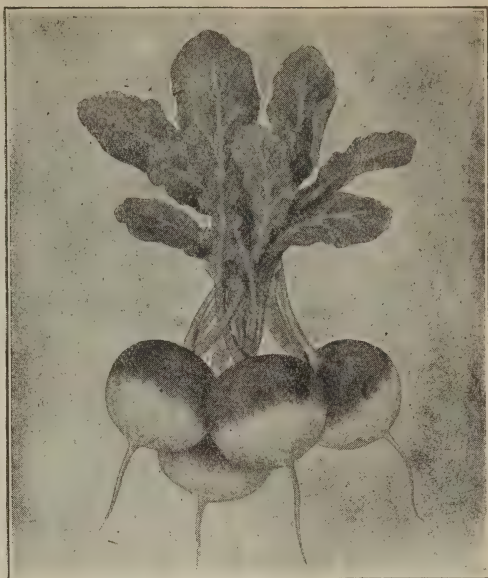
Crimson Giant, Forcing—Its roots attain more than double the size of existing forcing varieties, without getting pithy. In form it varies a little, some of the roots being long and others inclined to be oval, but its beautiful deep crimson color is quite constant. It combines the advantages of a good hothouse radish with that of a summer or out-door variety. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

Scarlet Globe—Handsome shape, color brilliant red, flesh white and crisp, mild and of fine flavor. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Deep Scarlet Turnip—Color of the skin is very dark red, flesh white, with very small tap root. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Scarlet Turnip, White Tipped—A standard market variety. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

New White Tip Radish—Sparkler—An improved strain of the popular White Tip Radish. The color is a bright scarlet body, with a well-defined white tip.



Scarlet Turnip White Tip Radish.

The growth is rapid, the tap root is small and the radishes crisp and mild. The seed is carefully grown and the variety just right for the home garden. On the market this strain will sell for higher prices than any other white tip; equally good for forcing. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

French Breakfast—Oval form, color scarlet, white tipped. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Scarlet Oval Shaped—Skin fine scarlet, flesh rose color. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

White Turnip—Skin and flesh white, later than Scarlet. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Half Long Deep Scarlet—An early variety intermediate in shape between the Long Scarlet and the Scarlet Olive Shaped. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Chartier—A long radish, of deep crimson color at top, shading off lighter until at the bottom they become white. Of large size, tender and crisp. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.



Scarlet Globe Radish.

Long Brightest Scarlet—Resembles the old Long Scarlet in shape and size, but in color is very distinct, being of the most vivid scarlet imaginable, the tip of the roots being pure white. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Long White Vienna, or Lady Finger—This is the best long white variety. Of handsome form, skin

and flesh pure white, of very rapid growth, remarkably crisp, brittle and tender. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

Icicle—A fine early long white variety for forcing or out-doors, attractive and of fine quality. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. 90c.

WINTER RADISHES.

China Rose Colored—Medium, flesh firm, rather piquant. The standard winter variety. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Chinese White, or Celestial—Stump-rooted, very like Nantes Carrot; about 6 inches long, fine for winter. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Black Spanish Round—Large size, skin black, of fine quality. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Black Spanish Long—Similar to preceding in every respect except shape. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

California Mammoth or White Russian—A giant white fleshed fall radish. It grows from 8 to 10 inches in length and about $2\frac{1}{2}$ inches in diameter. Pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Long Brightest Scarlet Radish.

RHUBARB Rhubarbe, Fr. Rhabarber, Gr.

Sow early in spring in rows 12 inches apart; the following spring transplant into rows two feet apart each way; manure the ground to a depth of two feet. In raising rhubarb from seed, no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to obtain a supply is to procure roots, which will produce a moderate supply the first season.

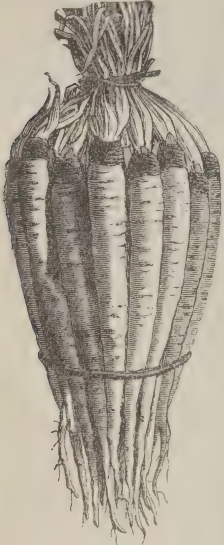
Victoria—Very large, fine for cooking. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

Myatt's Linnaeus—Very early and tender. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c.

Rhubarb Roots, each 30c, three for 75c, postpaid. By express, 15c each, \$1.50 dozen.

SEA KALE Crambe Maritime, Fr. Meer Kohl, Gr.

Sow in drills one foot apart and thin out to four inches in the row. When one year old, transplant into hills eighteen inches apart and three plants to each hill. On approach of frost, cover about two feet thick with dried leaves. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.



Mammoth Salsify.

Long Standing Prickly Seeded—A very hardy, compact growing variety. Slow to run to seed. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

New Triumph—This excellent new Spinach is nearly double the size of the Victoria, and has all of its good qualities. Very profitable for market gardeners and shippers. Crop failed.

New Zealand—Produces leaves of the greatest succulency in the hottest weather. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

Large Orach or Mountain Spinage—Cultivated and used like spinage, but by many is much preferred to it. White, with pale green (almost yellow), leaves. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

SALSIFY OR VEGETABLE OYSTER

Salsifis, Fr. Haferwurz, Gr.

Sow early in spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to Carrots and Parsnip. They are quite hardy and will stand the winter in open ground.

Mammoth Sandwich Island—Roots are very large and of excellent quality. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Long White—Standard variety. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

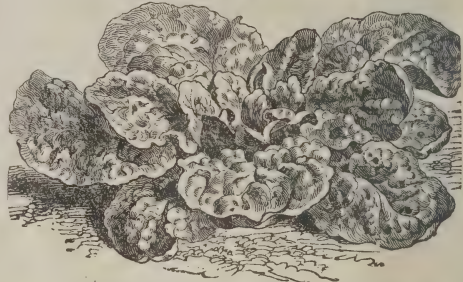
SPINAGE Epinard, Fr. Spinat, Gr.

One ounce will sow a row of 100 feet; 10 to 12 lbs. for an acre.

Sow early in spring, in drills one foot apart, and thin out to six inches to the row. Rich, light soil is requisite to produce large, tender leaves. For winter crop sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.

Victoria—Foliage heavy, the broad dark green leaves being of the true Savoy appearance and the finest quality. It does not run to seed quickly. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Monstrous Viroflay—Extra large, with thick, succulent leaves. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.



Monstrous Viroflay Spinage.

SQUASH

Courge, Fr. Speise Kurbis, Gr.

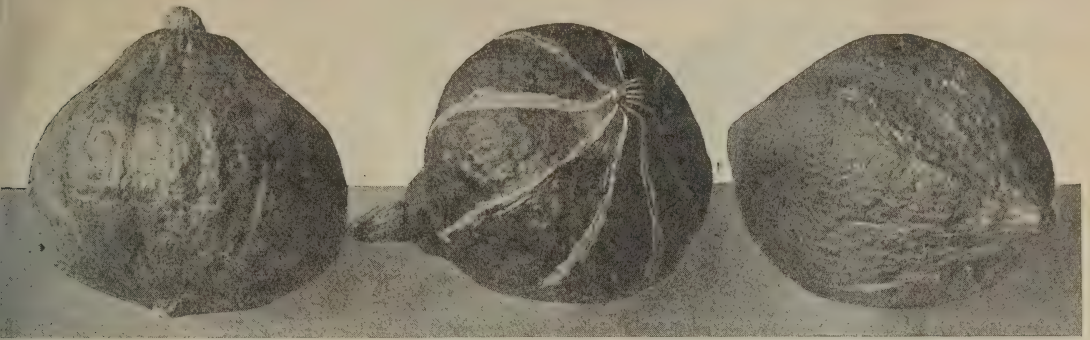
One ounce for fifty hills.

Any good enriched soil is adapted for the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals, and the seeds should not be sown in the spring until all danger from frost is past and the ground is warm and thoroughly settled. The hills should be made from 8 to 10 inches deep, manured well, and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants in a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent, with the impression that it facilitates the formation of fruit laterals and the early maturing of fruit.

Long White English Marrow—A very long white Marrow of the finest quality; very productive. Pkt. 5c, oz. 25c, 2 oz. 45c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.



Long White Vegetable Marrow.

**Squash Boston Marrow.**

New Vegetable Marrow—First of All—An improved long white running variety. It is extremely early, bearing its fruit immediately it begins to run. When in its very young state, before it throws its lateral growths, it is to all intents and purposes a bush variety, fruiting in the small dip or hole in which it is planted. It is most prolific, fruiting at every joint of its lateral runners. Pkt. 10c, $\frac{1}{2}$ oz. 20c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. 90c.

Long White Bush Marrow—The fruit of this bush variety is similar in size and color to the preceding. Pkt. 5c, oz. 25c, 2 oz. 35c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

Hardshell Boston Marrow—A very popular variety, productive and a good keeper. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Early White Scallop Bush—Early flat, scalloped shaped, fine grained. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

Early Yellow Scallop Bush—Early and prolific. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

Golden Custard—An improved Early Yellow Scallop Squash, of true bush growth and nearly as early. The fruits are much larger, and have a rich, golden-orange skin as well as rich creamy yellow flesh; very productive. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Perfect Gem—Excellent both as a summer and winter variety. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

Green Hubbard.

Yellow Summer Crookneck—One of the best of summer varieties. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Red or Golden Hubbard—While it resembles the old Green Hubbard in shape and size, it is much more attractive in appearance; color a rich orange yellow, turning to a deep salmon red when ripened. Its keeping qualities are fully equal too, while in productiveness it excels the green variety. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Hubbard—The standard winter Squash, color dark green, shell hard, flesh dry, fine grained and sweet. Excellent keeper. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Warted Hubbard—A variety of the Hubbard Squash with warted skin. The vines grow strong and produce a large number of Squashes, which are of good size and keep well. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Mammoth—Grows to a great size, often weighing 200 lbs; good for stock. Pkt. 10c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Mammoth Whale—Very prolific, flesh solid, of an orange yellow color, and of excellent quality. Specimens have grown three feet long and weighed 100 lbs. A splendid winter keeper. Pkt. 10c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

Delicious—Form and color varies; weight from 5 to 10 lbs. each; the flesh is thick, of a deep orange color, and of unequalled quality. Pkt. 5c, oz. 20c, 2 oz. 30c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

TOMATO

Tomato, Fr.

Liebes Apfel, Gr.

**Bruce's First and Best Tomato.**

For early crops sow the seed in a hot bed in March. When 2 inches high transplant into pots or into another bed, and attend them carefully until all danger from frost is past, then plant in hills four feet apart in a sheltered station fully exposed to the sun, support them with brush to keep them off the ground. This is a vegetable worthy of the most extensive cultivation. Two ounces of seed will produce enough plants for an acre.

Bruce's First and Best—The best extra early and most popular all-round Tomato. Its value lies not only in the actual time of ripening its first fruit, but that such large quantities can be gathered while all other so-called earlies are ripening only a few. Its appearance is magnificent, round, smooth, and a beautiful scarlet color, with grand foliage. It is a fine canner and good shipper, very uniform in size and very solid. It is of splendid quality, and for slicing has no equal. Its attractive appearance has made it the leading variety for market use. We regret that owing to the unfavorable conditions this past season, we will be unable to meet the usual demand for this seed, and offer it for 1917 as follows: Pkt. 10c, $\frac{1}{2}$ oz. 30c, 1 oz. 50c, 2 oz. 90c.

TOMATOES—Continued.



Earliana—The earliest large tomato. It is not only remarkable for its earliness, but for its large size, handsome shape, productiveness and beautiful red color. Its solidity and fine color are unsurpassed by any of the best medium and late sorts. The fruit contains but few seeds, and for this reason the genuine seed can never be sold at a low price. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

June Pink—Is similar in habit and shape to the famous Earliana. It ripens fully as early as that variety, the fruit being of medium size, uniform, smooth and attractive. In color it is a bright pleasing pink. Pkt. 5c, oz. 40c, 2 oz. 75c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Chalk's Early Jewel—Matures about a week later than Earliana, while the fruits are larger and heavier, and produced in greater abundance; color bright red; a fine canning variety. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Livingston's Coreless—New—Large sized, globe shaped, bright red, a strong grower and big cropper. Pkt. 5c, oz. 45c, 2 oz. 80c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.



Bonny Best Tomato.

Bonny Best—An early and very productive variety, fruits are smooth, round, nearly globe-shaped and are produced in abundance. Its color is an intense glowing scarlet, ripening to the stem without a crack; a good forcing tomato. Pkt. 5c, oz. 35c, 2 oz. 65c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

My Maryland—New—A very fine second early variety. Very large and productive, fruits are uniform, perfectly formed, solid, smooth, bright red and free from cracks or roughness. Pkt. 5c, oz. 35c, 2 oz. 65c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Success—A main crop variety, smooth and well formed. Is firm without being hard, and a splendid shipper and canner; color bright red. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Atlantic Prize—Extra early, color bright red. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Ignotum—Early and prolific; color fine deep red, fruit smooth, heavy and solid, and of delicate flavor; a fine canning variety. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Plentiful—Fruit large, solid, smooth, uniform and handsome, heavy yielder, color pink. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

The Stone—Large, bright scarlet, smooth and solid, ripens to the stem without a crack; an excellent main crop variety. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Matchless—Of a rich, cardinal red color, large size, very uniform and smooth, and for quality and solidity it is hard to beat. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Dwarf Champion—Quite distinct in foliage and habit of growth, being compact and upright. Crop ripens very early and evenly. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Livingston's Globe—Of large size, very smooth, firm fleshed, ripens evenly; color a beautiful, glossy rose, tinged purple; splendid slicing variety. The fruit is borne on short jointed, branching plants in great abundance. Pkt. 5c, oz. 45c, 2 oz. 80c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Red Rock—Wonderfully fine main crop variety, average weight 9 ounces, often borne in clusters of four or five. No tomato is superior in texture or flavor. An extraordinarily heavy producer and excellent shipper and canner. Undoubtedly the finest large late red tomato now in use. Pkt. 5c, oz. 35c, 2 oz. 65c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Ponderosa—This monster variety is smooth, of dark crimson color, all solid meat and fine flavor. Specimens have weighed two pounds each. Pkt. 10c, oz. 50c, 2 oz. 90c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Dwarf Stone—Resembles the Dwarf Champion in its stout, upright and compact growth, with fruit similar to the late Stone in color and size. Pkt. 5c, oz. 35c, 2 oz. 65c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Favorite—A good canning variety, a fine red color. Is very prolific, good flavor. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Golden Queen—Handsome, round, early, productive. Pkt. 5c, oz. 35c, 2 oz. 55c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

SMALL FRUITED TOMATOES.

Following varieties are useful for preserves and pickling:

Red and Yellow Pear Shaped—Pkt. 5c, oz. 50c.

Yellow and Red Plum—Pkt. 5c, oz. 50c.

Red and Yellow Cherry—Pkt. 5c, oz. 50c.

Strawberry, or Ground Cherry—Fruit enclosed in a husk, excellent for preserves. Pkt. 5c, oz. 50c.

Peach—Resembles a peach in shape, size and color. Pkt. 5c, oz. 50c.

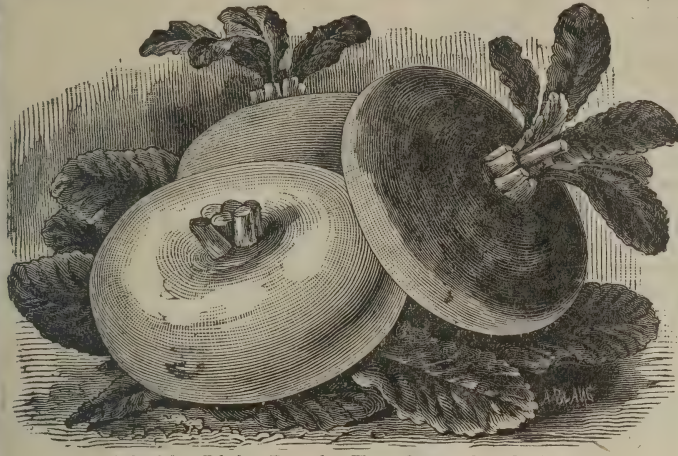
Plants of the leading varieties supplied. \$1.25 per 100 here.

New Tomato, John Baer—See page 5.

TURNIP

Navet, Fr. Rube, Gr.

For early crops sow as early in the spring as the ground can be worked, in drills 12 inches apart, and thin to 6 or 8 inches; for general crops sow middle of August. They succeed best in light, rich soil.



Nimble Dick, Purple Top Strap Leaf.

yellow, flesh firm, sweet and well flavored. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Early White Stone—Snowball—A very fine variety. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

White Swede—Flesh pure white, of extraordinary solidity, and well flavored. Pkt. 5c, ¼ lb. 20c, ½ lb. 35c, lb. 60c.

Laing's Improved Purple Top Swede—An excellent Turnip for rich, free soils, very handsome, with a peculiar leaf and small top. Pkt. 5c, ¼ lb. 20c, ½ lb. 35c, lb. 60c.

Bruce's Early Nimble Dick—The earliest and most delicious table turnip in existence; bulbs medium size, flat; color pure white. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Early Flat White Dutch—Size medium, of quick growth, juicy, excellent quality. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Purple Top Strap Leaf—Flesh fine grained, rich and buttery flavored. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 60c.

Extra Early White Milan—It grows with wonderful rapidity, and is the earliest White Turnip in cultivation. It is most attractive, with clear white skin and flesh fine grained and tender. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. \$1.60.

Bruce's Golden Ball—Skin bright



Sweet Basil.

Sage.

Sweet Marjoram.

Summer Savory.

Thyme.

**POT
SWEET
AND
MEDICINAL
HERBS**

Anise... Per oz. 25	Caraway... Per oz. 15	Horehound... Per oz. 50	Rue... Per oz. 60
Balm... 35	Catnip... 60	Hyssop... 60	Sage... 30
Basil, Sweet... 30	Coriander... 20	Lavender... 70	Savory, Summer... 40
Basil, Bush... 30	Dill... 20	Marjoram, Sweet... 40	Savory, Winter... 50
Borage... 35	Fennel, Sweet... 25	Marjoram, Pot... 80	Thyme... 60
Belladonna... 50	Fenugreek... 25	Rosemary... 50	Wormwood... 60

IN PACKETS AT FIVE CENTS EACH.

FRUIT SEEDS

Cherry Pits, Mahaleb and Mazzard... lb. \$0 90	Apple Seeds... oz. 10c, lb. \$0 90
Currant, Red, White and Black... pkt. 10	Pear Seeds... " 20c " 2 00
Gooseberry, Red, Yellow and Green... " 25	Quince Seeds... " 15c " 1 60
Raspberry, Red and White... " 10	Peach Stones, also Apricot Stones... " 40
Strawberry, choice kind... " 25	Plum Stones... " 50

BIRD SEEDS

Carefully cleaned, fresh and free from impurities. Special prices in quantity.

Canary... 1 lb. 15c, 5 lbs. \$0 65	Mixed Parrot Seed... lb. \$0 20
Maw... ¼ lb. 15c, lb. 35	Song Restorer, bottle 25c; postpaid, bottle 35
Rape... " 15	Prepared Mocking Bird Food... 1-lb. tin 40
Hemp... " 10	Prepared Fish Food, box 10c; postpaid, box 15
Millet... " 08	Lice Killer, box 25c; postpaid... box 30
Sunflower... 1 lb. 15c, 5 lbs. 50	Bird Bread, cake 5c; postpaid... 08
Mixed Bird Seed... 1 lb. 12c, 5 lbs. 50c	Cuttle Fish Bone... oz. 10c, lb. 80

Bird Sand, 1¼ lb. packages 5c; 2¾ lb. packages, 10c. Spratt's Parrot Food, 1 lb. pkg. 20c.

Where Bird Seeds and Sand are not marked postpaid, and are required by mail, add 10c per lb.

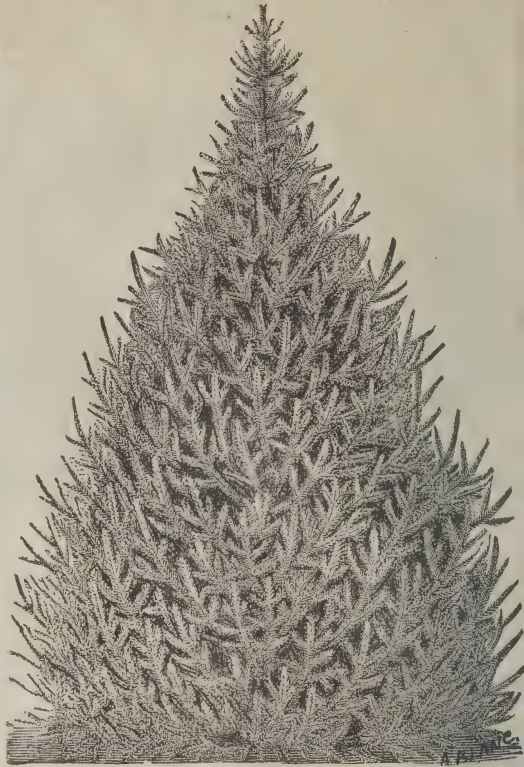
TREE SEEDS

Sow the seeds moderately thick in the spring just as soon as the ground is in good working condition, in beds 3 feet wide; then draw the soil with the back of the rake from the centre of the beds to a uniform depth of 2 inches. Keep the beds free from weeds, and when the seeds begin to germinate, lightly cover the bed with pine boughs to shade the young plants from the sun. When all are up the boughs should be gradually removed in order to harden off the young plants; during the first winter cover the beds with pine boughs to protect the young plants from the snow and sun. Let the plants remain in the beds from 2 to 3 years, then transplant into rows two and a half feet apart, leaving 6 to 9 inches between each plant. Keep the ground clean and mellow, and when the plants are strong enough, remove them to where they are intended to remain.

Norway Spruce	.....oz.	20c,	lb.	\$2.00
Catalpa Speciosa	....."	35c,	"	3 50
Scotch Fir	....."	30c,	"	3 00
Silver Fir	....."	20c,	"	2 00
Sugar Maple	....."	20c,	"	2 00
European Larch	....."	30c,	"	3 00
Austrian Fir	....."	30c,	"	3 00
Arbor Vitae	....."	25c,	"	2 50
Hemlock Spruce	....."	50c,	"	6 00
Mulberry White	....."	30c,	"	3 00
Black Walnuts	...30c lb.,	postpaid,	bush	\$2 50

Any of the above can be supplied at 10c per pkt.

Norway Spruce—We offer a large stock of transplanted stocky plants of the following sizes: 12 to 15 inches, \$15.00 per 100; 18 to 24 inches, \$20.00 per 100; 24 to 36 inches, \$25.00 per 100 here, suitable for hedges and windbreaks. Orders are requested to be sent in by the 1st of May.



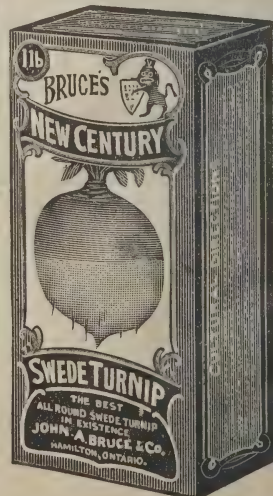
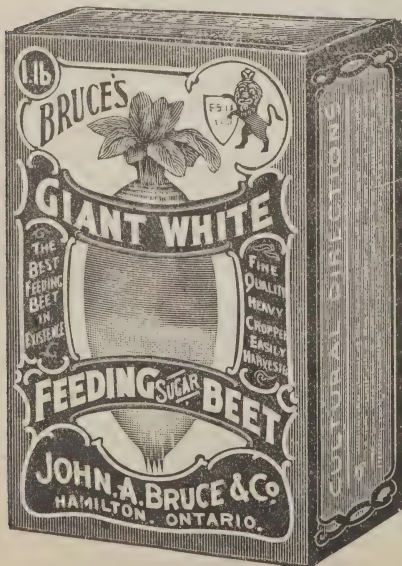
Norway Spruce.

SEEDS FOR HEDGES

Sow the following in the fall, if convenient. If sown in the spring, soak the seeds in tepid milk or water forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills 2 feet apart, and when two years old, transplant into rows two and a half feet apart, and nine to twelve inches between each plant. Hoe frequently and keep free from weeds, and when two feet high, transplant them to where you want them to remain.

Acacia, Three Horned or Honey Locust—(Gleditischia triacanthos) — Very hardy and effectual against man or beast. Admirably adapted for the prairies	.....oz.	10c,	lb.	\$0 90
Buckthorn—(Rhamnus Catharticus)—Clean seed	....."	20c,	"	2 00
Osage Orange—(Maclura Aurantiaca)	....."	15c,	"	1 50
Berberis—(Berberis Vulgaris)—Very hardy, producing a fine, compact hedge also valuable for its fruit, which is excellent for preserving	....."	15c,	"	1 50

BRUCE'S GREAT WINNERS IN ROOT SEEDS.



AGRICULTURAL SEEDS



In submitting our list of Farm Seeds, we take pleasure in stating that our extensive stocks have been secured in excellent condition; they have, as usual, had the most careful supervision by our growers from the time of planting until maturity, and may be depended upon to give satisfaction, when due allowance is made for any imperfections of weather, soil or cultivation. The large increase annually in our trade with the farmers in all portions of the Dominion is an evidence of the superiority of our stocks, and of the personal attention we give to the interests of those who have, without intermission, patronized us so liberally. The crop of Beet, Carrot and Mangel, which has been short for the past four years, has improved this season, and our customers can rely upon getting our own fine stock, raised by our own growers. Swede Turnips are a very short crop.

CARRIAGE OF SEEDS, ETC.—All Vegetable, Flower, Tree Hedge and Field Root Seeds are sent carriage paid by mail or rail, at our option, at catalogue prices. When the purchaser desires his order sent by Express or Freight at his own expense, deduct 10c per pound from the pound prices. Above applies to Canada, Newfoundland and the United States.

SUGAR BEET

The demand for Sugar Beet has increased wonderfully during the past few seasons. Dairymen find when feeding these to their cows a marked increase in the flow of milk and a richness in butter which are not so apparent when using other cattle foods. Hogs may also be fed to advantage on Sugar Beets. Sow from middle of April to first of June, in drills 2 feet apart, then thin to nine inches in the row. Five pounds of seed per acre.

BRUCE'S GIANT WHITE FEEDING SUGAR BEET—This grand feeding beet, introduced by us in 1900, has found great favor with all who have grown it. It combines the rich qualities of the Sugar Beet with the long keeping, large size and heavy cropping qualities of the mangel. The roots are clean and tops small, flesh white, solid, tender and very sweet, and on account of the bigger part of the length growing out of the ground they are easily harvested. This variety is a heavier cropper than our Rose, but not quite so rich in sugar. The roots are the largest, handsomest, most uniform and cleanest of all Sugar Beets, and this, combined with their richness and easy harvesting quality, makes them the "beau ideal" of a root for the farm. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c. The best Feeding Beet or Mangel on the Market. We lead all competitors; refuse all substitutes.

Bruce's Giant Rose Feeding Sugar—Has all the good qualities of above variety, only differing in color, which is rose outside, though the flesh is white, and the roots are barely as large or heavy as the White. It will easily outyield all the other kinds of Sugar Beets, and comes very close to that of the heaviest yielding Mangels of the intermediate type. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

Vilmorin's Improved—Bulbs of small size, but contain a larger percentage of sugar than any other variety on the list. It is chiefly grown in Europe for sugar producing purposes, for which use it must be grown entirely under ground, but need not be so cultivated when grown for stock feeding purposes. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c,



Bruce's Giant Feeding Sugar Beet. lb. 60c.

FIELD CARROT

An indispensable root for the farm, and is deserving of more general cultivation. Succeeds best in sandy soils; will also do well on strong clay loams when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Sow from middle of April to 1st June in drills 18 to 20 inches apart, and when about 3 inches high, thin to 4 inches between each plant. Sow 3 lbs. of seeds to the acre.

BRUCE'S MAMMOTH INTERMEDIATE SMOOTH WHITE—This grand half-long Carrot is longer than the White Vosges, and more uniform in shape. Flesh is pure white, solid, of finest quality. Is most productive and easily harvested, a splendid keeper. This carrot is sold under numerous aliases; our name for it is simply descriptive of the appearance of the best of all Field Carrots. We have every confidence in recommending it, and know our strain to be at least the equal to anything offered. The accompanying cut from a photograph shows a specimen of our Intermediate Smooth White Carrot grown by Mr. Hugh Spittall, Glanford, which weighed 8½ lbs. One other we weighed went nearly 10 lbs. He estimated his crop, which was exceptional, at 800 bushels to the acre. ¼ lb. 45c, ½ lb. 80c, lb. \$1.50.

Large White Vosges—The root is large and very thick at the shoulder, much shorter than the White Belgian, and thus more easily harvested, skin and flesh pure white; a wonderful cropper and of excellent feeding quality. ¼ lb. 45c, ½ lb. 80c, lb. \$1.50.

White Belgian (Improved)—Well known variety of fine quality, most profitable for field culture. ¼ lb. 45c, ½ lb. 80c, lb. \$1.50.

Long Orange Belgian—Superior in quality and a heavy cropper. ¼ lb. 45c, ½ lb. 80c, lb. \$1.50.

Intermediate Scarlet—Valuable for shallow soils. ¼ lb. 65c, ½ lb. \$1.10, lb. \$2.00.

Long Orange—Large, fine quality. ¼ lb. 60c, ½ lb. \$1.00, lb. \$1.90.

MANGEL WURZEL--Choice Selected Stock

This is one of the most important crops cultivated for consumption on the farm, and in the vicinity of large towns is found to be a profitable crop for marketing. It is of easy culture. The weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of its best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.

The heaviest crops of this root are invariably grown upon land which has been thoroughly cultivated and liberally manured.

The seeds should be drilled to secure uniform depth, at the rate of 5 or 6 lbs. to the acre. Sow from middle of April to 1st June, in drills 2½ to 3 feet apart, and thin to 16 to 20 inches in rows. The Intermediate, from its peculiar shape, may be allowed to stand closer than other varieties. For feeding mulch cattle it stands unrivalled. An average crop is 30 tons, and on some of the sewage farms in England the enormous yield of 80 to 90 tons has been grown.

MANGEL WURZEL—LONG VARIETIES.

The following are the best adapted for deep, rich, loamy soil:

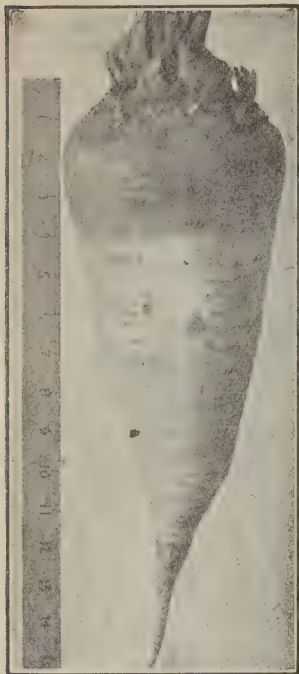
Bruce's Gate Post—A select stock of the Mammoth Long Red. Roots remarkably large, smooth, and perfect in shape. The most profitable of the Long Red Varieties. Our stock cannot be excelled.

We recommend this splendid variety with the greatest confidence. In the trials at the various Experimental Farms for many years the Gate Post has frequently headed the list. ¼ lb. 15c, ½ lb. 25c, lb. 45c.

Mammoth Long Red—A well known and popular strain. ¼ lb. 15c, ½ lb. 25c, lb. 45c.

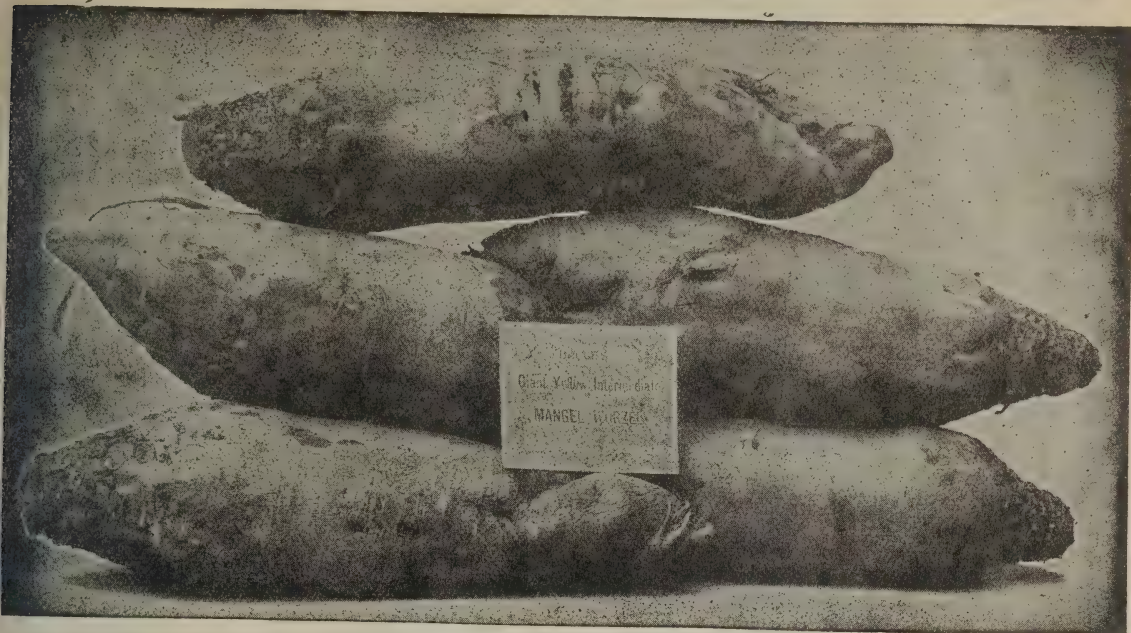
Long Yellow—A good variety, producing large roots. ¼ lb. 15c, ½ lb. 25c, lb. 45c.

Bruce's Gate Post Long Red Mangel ¼ lb. 25c, lb. 45c.



Bruce's Mammoth Intermediate.





Bruce's Giant Yellow Intermediate Mangel.

BRUCE'S GIANT YELLOW INTERMEDIATE—This grand Mangel, which we introduced in 1891, is without a doubt the favorite with all cattle men at the present day. The large size of the roots, their uniformity, handsome shape, bright smooth yellow skin, flesh of the most solid texture, nutritious and splendid keeping qualities, make it one of the most valuable introductions of recent years. While in point of size they will not equal the best of the long varieties, yet in yield per acre they have frequently produced as much, and in richness they far exceed the long varieties, added to which they are much more easily harvested, about half of their length being above the ground. We have kept our stock fully up to the original high standard, and it will pay every grower to procure our grand strain of this unequalled variety. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

IMPROVED YELLOW GLOBE—A specially good variety and popular in certain sections, good quality and yields well. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

RED GLOBE—Only called for in limited quantities, a good mangel and adds variety for exhibitions. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

Bruce's Giant Sugar Mangel—See Bruce's Giant Feeding Sugar Beets.

Mammoth Red Intermediate—Yields enormously. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

Champion Yellow Intermediate or Leviathan—Similar to Bruce's Giant Yellow Intermediate, and in good demand. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 25c, lb. 45c.

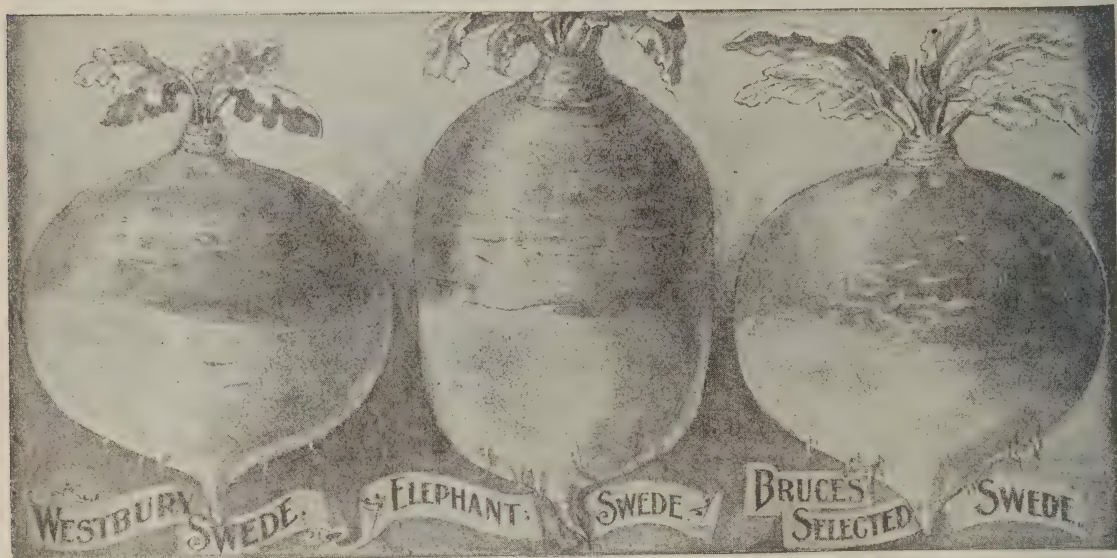
Golden Tankard—Flesh golden yellow. This Mangel contains more saccharine and a higher proportion of flesh-forming constituents than any other Mangel, excepting Bruce's Giant Yellow Intermediate and Bruce's Giant Sugar. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 27c, lb. 50c.



Bruce's New Century Swede—The best of all Swedes.

TURNIP SEEDS

The Turnip is now one of the most important crops grown on the farm, and its success, no doubt, depends greatly on the preparation of the soil, and the judicious application of manure, but not less so on the quality of the seed and the care exercised on the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of our Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion, as to the excellence of our Turnip Seed, affords us satisfactory evidence as to the superiority of our stocks and the success that has attended our efforts. Sow in June in drills; two pounds to the acre.



BRUCE'S SELECTED PURPLE TOP—This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from least tendency to coarseness; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpassed. It is a grand shipping variety, and of splendid quality, and a great favorite, and our stock is fully up to the past high standard and cannot fail to give satisfaction. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

Improved Hall's Westbury—A well known standard purple top variety of handsome appearance, fine quality, large and solid, a grand keeper and one of the best shipping turnips known. We are satisfied that no better stock of this grand variety can be obtained anywhere; this is one of our best selling varieties. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

Elephant or Monarch or Jumbo—We offer a grand stock of this handsome tankard-shaped variety. The upper part of the root is dark purplish-crimson, the flesh deep yellow, solid and nutritious. Matures early and produces more weight to the acre than any other variety. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 37c, lb. 70c.

Skirving's Improved Purple Top—This is a strong grower and heavy cropper, but runs to neck on rich ground. $\frac{1}{4}$ lb. 17c, $\frac{1}{2}$ lb. 30c, lb. 55c.

Magnum Bonum Purple Top—A fine new Swede, of large size, fine color and extra good quality; a heavy cropper. Recommended by the Ontario Agricultural College. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

Drummond's Purple Top—A splendid Scotch variety of great excellence; globular in shape, large, solid and of the finest quality. $\frac{1}{4}$ lb. 17c, $\frac{1}{2}$ lb. 30c, lb. 55c.

Carter's Imperial Purple Top—One of the hardiest and best keepers. $\frac{1}{4}$ lb. 17c, $\frac{1}{2}$ lb. 30c, lb. 55c.

BRUCE'S NEW CENTURY—A purple topped variety, resembling Westbury, of splendid uniform growth, roots clean and of handsome shape. It resists mildew better than any other Swede. It is the best shipping variety. Used for cooking purposes it is unexcelled. In sections where large quantities are grown for the American market the growers will have no other. Our own private stock. Refuse all substitutes. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 37c, lb. 70c.

Bruce's Giant King Purple Top—This is an improvement on the Elephant, Monarch or Jumbo Swede, is tankard shaped, of fine appearance, and the flesh is solid and nutritious. It is a heavy yielder and good keeper. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 37c, lb. 70c.

Kangaroo—A very hardy Swede, similar in size and growth to the Elephant; color a bronze green, possessing the heavy cropping features with the grand constitution of the best types of Bronze Green Top Swedes, and is increasing in popularity each year, particularly in those districts where the land lies exposed and consequently cold and backward. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

Laing's Improved Purple Top—Fine for table use. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

Halewood Bronze Top—A favorite Scotch variety, heavy cropper, good keeper, closely resembling Kangaroo. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

Canadian Gem—A fine cooking and shipping variety, heavy cropper, purple top, of fine appearance. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 37c, lb. 70c.

Hartley's Bronze Top—Small neck and single tap roots, very rich in quality and a first-rate keeper. A great favorite and demand increasing. Our stock is fine. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

White Swede—Remarkable for its nutritious properties, hardiness and long keeping. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 35c, lb. 65c.

YELLOW FLESHED TURNIPS

May be sown from the first week in July to middle of August, either after it is considered too late for Swedes, or on land of not sufficiently good quality to produce Swedes, or when there is an absence of manure.

Green Top Yellow Aberdeen—A hardy and excellent variety. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 27c, lb. 50c.

Purple Top Aberdeen—Similar in quality to Green Top. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 27c, lb. 50c.

WHITE FLESHED TURNIPS

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

White Globe—Grows very large, is early and of fine quality. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 27c, lb. 50c.



Grey Stone Turnip.

Red Globe Norfolk—Skin red where exposed to sun, white under ground, flesh white, medium size, should be fed early. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 27c, lb. 50c.

Grey Stone—Grows to an immense size, is early, hardy, excellent quality. $\frac{1}{4}$ lb. 15c, $\frac{1}{2}$ lb. 27c, lb. 50c.

White Stone or Stubble—A well known and excellent variety. $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 40c, lb. 75c.

Red Top Strap Leaf—A rapid grower; valuable variety for late sowing. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 33c, lb. 60c.

Cow Horn—Roots long, flesh white, fine grained, matures quickly, half its length above ground. $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 33c, lb. 60c.



SOWING RAPE

Largely grown for soiling purposes; it is also excellent for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of six pounds of seed per acre, and successional sowings, beginning in May, will insure crops from August onward.

Broad Leaved Essex—Lb. 20c, 10 lbs. \$1.70, 25 lbs. \$4.00, 100 lbs. \$15.00 here.

If by mail, add postage 10c per lb.

THOUSAND HEADED KALE

For the purpose of the sheep farmer there is no forage crop equal to this, both as regards its productive qualities, nutritive value and hardiness, withstanding severe frosts. In Britain it is largely supplanting Sowing Rape, which it largely outyields. Sow early in April up to midsummer, 3 lbs. to the acre broadcast, or 1 lb. to acre in rows 18 inches apart. It grows very rapidly, 3 to 4 feet high, branches right out from the bottom, and is covered with small whorls of leaves, and after being fed it grows with increased rapidity. The roots penetrate to a great depth, so that drought does not affect it. It is greatly relished by hogs, cattle and sheep, and is well worthy of a trial. $\frac{1}{4}$ lb. 25c, $\frac{1}{2}$ lb. 35c, lb. 60c.

BARLEY

Mandscheuri—The standard variety. Peck 40c, bush. \$1.50.

Mandscheuri, No. 21—This fine strain, a selection by the Ontario Agricultural College, has created a sensation the past seven seasons. We have grown it with excellent results, and offer it feeling confident it will give unequalled satisfaction. Peck 40c, bushel \$1.60.

White Hulless—Beardless, grows quickly, 60 lbs. to bushel, good yielder. None this year.

Black Hulless—Highly recommended for hog feed, 60 lbs. to bushel. Peck 60c, bushel \$2.00.

By mail, postpaid, 20c lb., 5 lbs. 85c.

BEANS—Field

Where the soil is suitable, beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties:

White or Navy—Standard variety.

White Pea—A splendid cooker.

White Marrowfat—Large, fine quality.

Red Kidney—Prolific, splendid.

White Kidney—Heavy cropper.

Yellow Eye—Highly recommended.

Yellow California—Best for cooking.

30c lb., 5 lbs. \$1.40, postpaid.

Write for prices in quantity.

**BUCK WHEAT**

Silver Hull—Leading variety. Peck 50c, bushel \$1.75.

20c lb., 5 lbs. 85c, by mail, postpaid.

Japanese—Very large and productive. Peck 50c, bushel \$1.75. 20c lb., 5 lbs. 85c, by mail, postpaid.

RYE BUCKWHEAT

Taken from report of O. A. C. Experimental Farm, 1910.—“Rye Buckwheat stands at the head of the list in average yield of grain per acre. The results are very striking, showing that the Rye Buckwheat gave an average of $8\frac{1}{2}$ bushels per acre more than the Common, which was the next highest yielding variety. Peck 60c, bushel \$2.25.

BROOM CORN

Long Bush Evergreen—Lb. 10c, 10 lbs. 75c; if to be mailed, add postage 10c per lb.. Succeeds in good deep soil; it is very sensitive to cold.



Angel of Midnight Corn.

KAFFIR CORN

A non-saccharine sorghum fodder plant. Grows from 5 to 6 feet, stocky and erect, wide foliage, and has the quality common to all sorghums of resisting drought. Sow in drills 5 lbs. to acre and cultivate same as common corn, or broadcast. $\frac{1}{2}$ bushel to acre. Lb. 10c, 10 lbs. 50c, 100 lbs. \$4.50. Postpaid 20c lb., 5 lbs. 85c.

CORN—Field Varieties

Australian Extra Early Eight-Rowed White Flint—Remarkably early ripening fully two weeks ahead of Compton's. It is unusually productive, the ears being very long, the grain large, and the cob small. Hardies known variety; will thrive at an altitude of 6,000 feet, where the climate is always too cold for ordinary corn; a great drought resister; will produce crops when other sorts fail. Shelled, peck 60c, bushel \$2.30.

Compton's Early Twelve-Rowed Yellow—Owing to its earliness and productiveness this variety has given great satisfaction it is also highly recommended as a fodder corn. Shelled, peck 60c, bushel \$2.20.

Angel of Midnight—This is an extra early eight-rowed Yellow Flint variety, the grains very large and compactly set on a very small cob. Shelled, pk. 60c, bushel \$2.20.

North Dakota Early White Flint—A very profitable eight-rowed variety. Shelled, peck 60c, bushel \$2.20.

Longfellow—A most desirable eight-rowed Yellow Flint variety. Shelled, peck 60c, bushel \$2.20.

King Philip—A favorite in some localities color red, eight-rowed. Shelled, peck 60c, bushel \$2.20.

Above varieties 20c lb., 5 lbs. 85c, by mail, postpaid. Prices on this page are subject to market fluctuations and are here, except where marked postpaid. Cotton bags 25c each extra.

Our Corns are grown for us by experienced growers, from our special stocks, in the Corn Belt of the United States; they are properly saved and always germinate well. They are far superior to that generally sold in Canada.

CORN For

Fodder and Ensilage Purposes

Our list of Corn embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting for green fodder and for use in the silo for winter feeding. For cutting green we believe the Evergreen Sweet Corn will be found the most valuable on account of its richness, though the Mammoth White and Red Cob are most in use, while the Dent varieties are better adapted for the silo, as they are less liable to become sour. The corn we offer has been specially grown for seed, and the germination fully tested.

Leaming Ensilage—A favorite yellow variety, not equal, however, to Bruce's Leaming. Per bushel, shelled, \$1.80.

Giant Prolific, or Mammoth White Cob Ensilage—Similar to Red Cob in most respects. Per bush., shelled \$1.80.

Selected Mammoth Red Cob Ensilage—A, well known white variety of great productiveness and most nutritious quality, but not as early as the following varieties. Per bushel, shelled, \$1.80.

Reid's Yellow Dent—A well-known variety, largely grown for exhibiting at fairs, and is used as a standard for judging at corn schools. Of handsome shape and color. Per bushel, shelled, \$2.20.

White Cap Yellow Dent—Expert Corn growers pronounce it a perfect field corn as to yield, size of ear, color size of cob, and growth of fodder. Matures in 90 to 95 days. No corn yields as well on poor, thin land, nor stands drought as well. **Extra Early Strain**, per bushel, shelled, \$2.20.

Bruce's Improved Leaming—Yellow—A splendid variety for withstanding drought by reason of its earliness in maturing, strong and vigorous growth, and its stocky, leafy nature, which enables it to stand until ripe. Per bush. shelled, \$2.20.

Cloud's Early Yellow Dent—Early, very prolific, strong and vigorous, growing from 8 to 10 feet high, producing large, handsome ears, with unusually deep grains. Per bushel, shelled, \$2.20.

Cuban Giant—Yellow—It outyields the Red Cob, and is ten days earlier; the fodder grows on the stalks in great quantities and is of the finest flavor, almost as sweet as Sugar Corn. The grains are yellow, large, broad, long, and of great vitality. Per bushel, shelled, \$2.20.

Early Butler Dent—Yellow—The fodder of this new sort grows up strong and rank. It roots deeply and withstands drought. Ears of good size. Matures in 90 to 100 days. Per bush., shelled, \$2.20.

Wisconsin No. 7 White Dent—A very popular variety which is highly recommended by the Ontario Agricultural College. Our stock is pure. Per bushel, shelled, \$2.20.

Evergreen Sweet Fodder—This is the sweetest and most nutritious of all fodder varieties, and will be found valuable for cutting and using as green fodder. Bushel of 40 lbs., shelled, \$3.20.

Above varieties 20c lb., 5 lbs. 85c, postpaid. All prices on this page subject to market fluctuations. Cotton Bags, extra, 25c each. All prices here, except where marked postpaid.



Red Cob Ensilage.

CLOVER SEEDS

The large increase in our home and foreign trade made it imperative for us to introduce in our premises the most modern machinery, which is run by electric power, and we now have the perfection of appliances for turning out superior samples of Seed Grain, Clover and Grass Seeds. Increased sales, and the complimentary references to the quality of our shipments has been ample compensation for our expenditure in this department; and our long connection with the best growers in the seed producing districts gives us exceptional advantages in securing the best samples offered.

GOVERNMENT STANDARD GRADES.

By provisions of the Seed Control Act, which came into effect on the 1st September, 1905, and amended in 1911, the following standards are set for those selling seeds: Red, Alsike and Lucerne Clover and Timothy, Extra No. 1 not to exceed 30 of all weed seeds in 1 oz. No. 1, Red, Lucerne, Timothy, 5 noxious weeds; Alsike, 10 noxious weeds; with a limit of 100 weed seeds per oz. No. 2, Red, Lucerne, Timothy, 20 noxious weeds; Alsike, 40 noxious weeds; with a limit of 200 weed seeds per oz. No. 3, Red, Lucerne, Timothy, 80 noxious weeds; Alsike, 160 noxious weeds, with a limit of 400 weed seeds per oz. Seed having more than 400 weed seeds in an ounce cannot be sold in Canada without seller becoming liable to a fine or imprisonment.

As usual we have exercised the greatest care to secure the finest quality of seed obtainable, and with the most modern cleaning machinery we are enabled to offer samples which we feel assured will satisfy the most critical buyer. The conditions imposed by the Act have placed a premium on the best grade of seeds, but in our transactions extending over 60 years with the agricultural community, the question of quality with the great majority is a more important consideration than price, and it is the trade of the majority we cater for. Clover Seed being subject to constant variations, prices will be ruled by market. Write for Special Prices where a quantity is required.

Common Red—A well known variety. Lb. 50c, 5 lbs. \$2.25, postpaid.

Mammoth Red or Pea Vine—Valuable for plowing under for manure. Lb. 50c, 5 lbs. \$2.25, postpaid.

Yellow or Trefoil—Valuable for pasture. Lb. 50c, 5 lbs. \$2.25, postpaid.

White Dutch—Esteemed for permanent purposes. Choice, lb. 85c; prime 75c lb., postpaid.

Lucerne (Alfalfa)—An invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. Should be sown from middle of April to end of May, and may be cut 3 or 4 times a year. It thrives upon any soil where drainage is good, as the roots penetrate the soil to a great depth, reaching the moisture. It continues green in the driest weather. Sow 15 to 20 lbs. to acre. We offer Canadian seed, which is hardiest, and does best in Canada, lb. 45c, 5 lbs. \$2.10. Northern Grown Seeds, lb. 50c, 5 lbs. \$2.40, postpaid.

Lucerne (Alfalfa), Turkestan—Hardy, and withstands drought better than the ordinary. 1 lb. 45c, 5 lbs. \$2.00, postpaid.

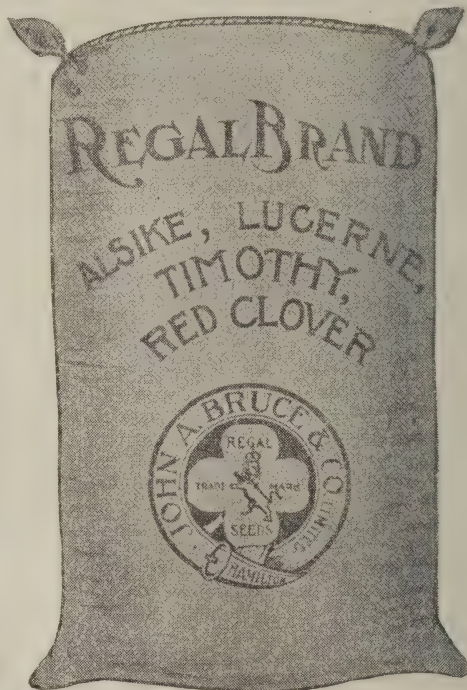
Sweet or Bokara (Melilotis Alba)—A very vigorous growing variety, blooms early in August; about two feet high. Sow in spring. The flowers are white and very sweet scented. We report a heavy demand the past two years; the farmers are sowing it for pasture, and it is excellent for bees. Lb. 45c, 5 lbs. \$2.00, postpaid.

Alsike (Trifolium Hybridum)—Excellent for low lands. Lb. 45c, 5 lbs. \$2.00, postpaid.

Crimson or Scarlet Clover (Trifolium Incarnatum)—Is an annual. Improves poor land and restores to fertility those that are worn down by excessive cropping. Grows at all times except when the ground is frozen. May be sown in spring, summer and fall. Splendid for reseeded Red Clover that has been winter killed. This clover is extensively grown in the United States, and we give the latest methods adopted there for its cultivation, etc. Sow 12 to 15 lbs. broadcast per acre, and cover light. All soils and situations seem to suit it. Try it on your poorest. If sown early, it makes superior fall and spring grazing, and afterwards a good crop to mow. It is about 15 days earlier than Red Clover and as a fertilizer one acre represents as much value as twenty tons of stable manure. Lb. 40c, 5 lbs. \$1.75, postpaid.

Clover Seed postpaid prices are for No. 1 Grade.

Special prices for a quantity quoted on application.



Lucerne Clover.

GRASS SEEDS

Greater attention is being given yearly to the improvement of pastures, and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasturage has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

PRICES SUBJECT TO MARKET FLUCTUATIONS. WRITE FOR SPECIAL PRICES.

Red Top Grass (*Agrostis Vulgaris*)—A valuable native permanent grass, growing in almost any soil, moist or dry, and standing well our hot climate. Best for low ground. Sow two bushels to the acre. Lb. 20c, 14 lbs. \$2.45. Fancy, for lawns, 30c lb., 14 lbs. \$3.50.

Foxtail Meadow (*Alopecurus Pratensis*)—One of the best grasses for permanent pastures, possessing the three great requisites of quantity, quality and earliness, it is particularly adapted for moderately stiff clay and heavy soils; 30 lbs. to acre. Lb. 75c, 14 lbs. \$9.80.

Sweet Vernal Grass (*Anthoxanthum Odoratum*, perennial)—For a pasture mixture it is valuable on account of the fragrant odor it imparts to the hay. Sow 35 lbs. to the acre. Lb. 90c, 14 lbs. \$11.90.

Oat Grass (*Avena Elatior*)—Is most valuable for pasture on account of its early and luxuriant growth. It produces an abundant supply of foliage, which is relished by cattle early and late in the season. Lb. 40c, 14 lbs. \$4.90.

Bromus Inermis (Hungarian Forage Grass)—A hardy, deep rooted species, which has proved highly suitable for Manitoba and the Northwest. Sow 20 to 25 lbs. to acre. Lb. 25c, 14 lbs. \$2.80.

Crested Dogtail (*Cynosurus Cristatus*)—May be advantageously sown on lawns kept under scythe, forms a close turf, remaining green for a long time; valuable for sheep pastures; succeeds on dry, hard and gravelly soil. Height 1 to 1½ feet. Sow 25 lbs. per acre. Per lb. 40c, 14 lbs. \$5.00.

Orchard Grass (*Dactylis Glomerata*)—A valuable grass on account of the quantity of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; well adapted for growing in orchards. If allowed to stand for hay it has rather a coarse appearance, but if grazed it has always a fresh green hue. Sow 2 bushels to acre; weight per bushel, 14 lbs. Lb. 35c, 14 lbs. \$4.20.

Meadow Fescue (*Festuca Pratensis*)—Valuable for permanent grass lands. It does not, however, attain its full productive power till the second or third year, when it exceeds most other sorts in productiveness and nutritive matter; relished by stock both in hay and pasture. Sow 40 lbs. to the acre. Lb. 40c, 14 lbs. \$4.90.

Creeping Bent Grass (*Agrostis Stolonifera*)—Excellent for pastures mixed with other grasses, also for tennis and golf mixtures. Moist situations agree well with it. Lb. 60c, 14 lbs. \$7.70.

Italian Rye Grass (*Lolium Italicum*)—One of the most valuable grasses in Europe, considered the best grass to cut green for soiling, affording repeated large and nutritive crops. Sow 3 bushels to the acre. Lb. 20c, 14 lbs. \$2.45.

English Rye Grass (*Lolium Perenne*)—One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow 3 bushels to the acre. Lb. 20c, 14 lbs. \$2.45.

Canadian Blue Grass (*Poa Compressa*)—A native grass, which should be in every pasture mixture; will do well on dry soils, or even on clay, hard trodden or poor soils. On account of creeping root stalk it forms a splendid turf. Splendid for lawns. Lb. 20c, 14 lbs. \$2.10.

Kentucky Blue Grass (*Poa Pratensis*)—Thrives on a variety of soils, but does best on dry and somewhat shady situations. It will stand the hottest summers. Sow three bushels to the acre: Splendid for lawns. Lb. 25c, 14 lbs. \$3.15.

Wood Meadow Grass (*Poa Nemoralis*)—There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but succeeds where few other grasses can exist. Very early, of bright, rich green. Sow 25 lbs. to acre. Lb. 60c, 14 lbs. \$7.70.

Hard Fescue (*Festuca Duriuscula*)—Thrives in a great variety of soils. One of the best grasses for general purposes, and resists the effect of drought well. It grows easily; the foliage is fine and nutritive. Height 1½ feet. Sow 30 lbs. per acre. Per lb. 45c, 14 lbs. \$5.60.

Red or Creeping Fescue (*Festuca Rubra*)—Forms a close, rich sod and is valuable in lawns. Per lb. 45c, 14 lbs. \$5.60.

Tall Meadow Fescue (*Festuca Elatior*)—Very early, nutritive and productive. Should form a portion of all pastures on wet or clay soils. Per lb. 45c, 14 lbs. \$5.60.

Sheep Fescue (*Festuca Ovina*)—Grows naturally on light, dry, sandy soils; smaller than the other Fescues, but on account of being very nutritious, it should always enter into the composition of sheep pastures, as sheep are very fond of it. Sow 30 lbs. per acre. Lb. 45c, 14 lbs. \$5.60.

Prices on this page are here. If required by mail add 10c per lb. for postage.



Orchard Grass.

GRASS SEEDS—Continued

Sainfoin (*Hedysarum Onobrychis*)—Recommended by Experimental Farm, Ottawa. Useful fodder plant. Lb. 30c, 14 lbs. \$3.50.

Timothy (*Phleum Pratensis*)—So well known needs no description. Sow 12 lbs. per acre. Lb. 15c, 10 lbs. \$1.25. Write for prices on larger quantities.

Various Leaved Fescue (*Festuca Heterophylla*). Valuable for permanent pasture, and is also desirable for lawn mixtures. Per lb. 60c, 14 lbs. \$7.70.



BRUCE'S MIXTURE OF PERMANENT GRASSES AND CLOVER SEEDS FOR LAYING DOWN LAND TO PASTURE.

When ordering permanent Grass Seeds, it is necessary that our customers should describe the nature and situation of the soil, subsoil, etc., and state whether they are to be sown with or without crop. Our mixtures are composed of the best Clovers and Grasses, and are arranged in proper proportions to suit the various soils for which they are intended, our aim having always been to produce a rich and nutritious herbage in the shortest possible time. 24 lbs. per acre.

Below we give the Ontario School of Agriculture, Guelph, formula of Grasses and Clovers for permanent pastures:

Four lbs. Meadow Fescue or Blue Grass, 2 lbs. Timothy, 4 lbs. Orchard Grass, 3 lbs. Tall Oat Grass, 2 lbs. Meadow Foxtail, 5 lbs. Lucerne Clover, 2 lbs. White Dutch Clover, 2 lbs. Alsike Clover, total 15 lbs. Grasses and 9 lbs. Clover, being the quantities required for an acre. 24 lbs. \$9.00.

We have also a choice mixture at \$8.00 per 24 lbs.

When ordering Grains, Clovers and Grass Seeds by the bushel, remit 30c each for new 2 bushel cotton-seamless bags, and 25c for used Cotton Seamless bags.

Use the Rittenhouse Seeder for sowing Clover and Grass Seeds. See page 125.

BRUCE'S LAWN GRASS SEEDS

There is now offering here English Lawn Grass Seed, which is sold somewhat less than ours, but which contains Rye Grass and other grass cheaper than we use, and which are not suitable for our climate. Also mixtures from the United States, in which is used a great deal of unhulled Red Top, which makes a large bulk; we use a small percentage of the hulled Red Top, which is considerably dearer, in our mixture. We use in our Lawn Mixture also what is not in most others, some Pure White Dutch Clover. This is expensive, but adds greatly to the appearance of the Lawn.

The annual increase in our sales of Lawn Grass Seed is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Golf, Cricket and Lawn Tennis Grounds.

Bruce's Famous Hamilton Lawn Grass—Our mixture is composed of grasses especially selected to produce a close ever-green sod, calculated to withstand to the best advantage the summer heat, and sufficiently hardy to live through the extreme frosts of our northern winters. The greatest care is exercised in the selection of our grass seeds to use only such samples as are absolutely free from weeds, as it is generally found in the preparation of a new lawn that weeds indigenous to the soil are too plentiful without sowing them in a lawn mixture. A top dressing of thoroughly rotted manure in the fall and a good sprinkling of Bone Dust or Sheep Manure in the early spring, with the addition of a light seeding, are great aids in the preservation of the sod. Sixty pounds of seed is sufficient for an acre, and one pound will sow a plot 15 x 20 feet, or 300 square feet. 35c per lb., \$3.00 for 10 lbs.

Bruce's Special Mixture for Shady Places—45c lb., \$4.00 for 10 lbs.

Lawn Tennis and Bowling Green Mixture of Grasses—(Contains no Clover)—35c lb., \$3.00 per 10 lbs.

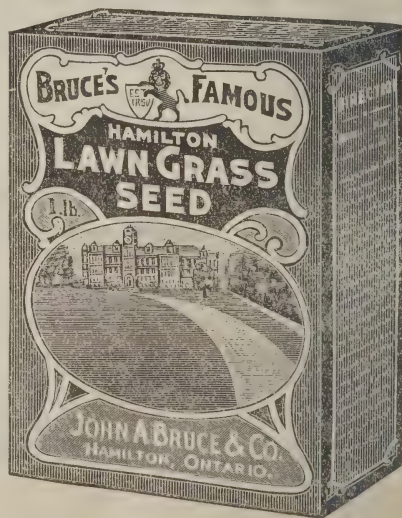
Pure White Dutch Clover for Lawns— $\frac{1}{4}$ lb. 25c, 1b. 75c.

Bruce's Putting Green Seed—A grand mixture. Sow thickly. 40c lb., 100 lbs. \$35.00.

Bruce's Golf Link Seed—Cannot be excelled. Sow thickly. 30c lb., 100 lbs. \$25.00.

A good Lawn requires rolling throughout the season. See page 126.

The prices on this page are subject to market fluctuations and are here. If required by mail, add 10c per lb. for postage.



EMMER (also called Speltz)

It is claimed that this new grain is superior to all other grain for fattening sheep, poultry, cattle, horses, pigs, etc. It is excellent for pasture, and can be fed in a green state also; grows well and produces large crops on poor soil, while dry weather appears to have no effect on it. It is a wonderful stooler. Prepare land as for other grain, and sow about 60 lbs. to acre; cut when the grain is past middle stage of milk, thresh like wheat, only not so closely. Peck 40c, bushel of 40 lbs. \$1.35. By mail, 1 lb. 20c, 5 lbs. 90c, postpaid.

MILLETS.

Annual forage plants, valuable for furnishing green fodder and hay in from 60 to 90 days from sowing, producing on good soils extraordinary yields of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from $\frac{1}{2}$ to $\frac{3}{4}$ bushels or acre.

Common Millet (*Panicum Miliaceum*)—Very early; height 2 to 3 feet; foliage very broad and very abundant; heads very open, with branching panicles. Peck 60c, bushel \$2.10.

Siberian Millet—Grows larger and ranker than the Common, with more leaves; matures early and resists drought. Peck 60c, bushel \$2.20.

German or Golden Millet (true)—Medium early; height 3 or 4 feet; foliage closely condensed; spikes very numerous; seeds round, in rough, bristly sheaths. Peck 60c, bushel \$2.20.

Hungarian (Grass) **Millet** (*Panicum Germanicum*)—Early; height 2 to 3 feet; abundant foliage and slender heads; withstands drought and yields well on light soils. Peck 55c, bushel \$2.00.

Above varieties 20c per lb. by mail, postpaid.

New Japanese—Very heavy yielder. Grows about 6 feet high; covered with leaves very juicy; an excellent green fodder and valuable when cured for silo. Sow 15 lbs. to the acre, broadcast, or 10 lbs. in drills. Also called "Billion Dollar Grass." 1 lb. 10c, 10 lbs. 95c, 25 lbs. \$2.25, 100 lbs. \$8.50. Postpaid 25c lb., 5 lbs. \$1.00.

COW PEAS.

Green crops ploughed under are one of the best and cheapest ways of improving the soil. For this purpose the Cow Pea is superior, especially for medium or light soil. They should be sown towards the end of May or June, at the rate of $1\frac{1}{2}$ bushels to the acre, and plowed under as soon as they have attained their full growth. There is no surer or cheaper means of improving poor soil than by sowing Cow Peas. In its capacity as a nitrogen gatherer its growth largely enables the farmer to dispense with the use of nitrogen or ammoniated fertilizers. The stalk and leaves fed green make excellent fodder. They have been grown with marked success by many of the leading fruit growers in the district during the past few seasons. The seed can be ground for fodder.

Whip-poor-will—The favorite variety. Lb. 10c, 5 lbs. 45c, peck \$1.10, bushel \$4.00.

New Era—A little earlier and grows a heavier plant. Lb. 10c, 5 lbs. 45c, peck \$1.10, bush., \$4.00.

By mail, postpaid, 25c per lb., 5 lbs. for \$1.10.

FIELD PEAS.

Golden Vine—The favorite variety, early, good straw and a splendid yielder. Pk. 80c, bush. \$3.00.
Canadian Beauty—Seed large and white, straw strong and of good quality, heavy yielder. Peck 90c, bushel \$3.25.

Brittany—An excellent early large brown pea, heavy yielder. Peck 90c, bushel \$3.25.

White Marrowfat—Prolific, with large pods filled with large peas. Peck \$1.00, bushel \$3.50.

Black Eyed Marrowfat—Equal to the white variety. Peck \$1.00, bushel \$3.50.

By mail, postpaid, 25c per lb., 5 lbs. \$1.10.

RYE

Each season a large number of farmers find themselves short of fodder, and to provide against this it is well to plan to grow some annual fodder crop. The earliest plant of this character is Spring Rye. It is quite hardy and the seed can be sown as soon in the spring as the frost is out of the ground. It grows very rapidly and should be cut as soon as the head appears, when it makes good green fodder and hay. It is best cut with the binder and handled in sheaves, in which shape it cures well. The yield varies from 1 to 4 tons per acre. It grows again after cutting, affording considerably pasture in a moist season. In districts liable to dry weather, nothing can equal Rye to produce a crop. 50c peck, \$1.75 bushel.

Fall—The variety commonly cultivated for grain, straw, green fodder, etc., 35c peck, \$1.75 bushel.

Above varieties by mail, 1lb. 20c, 5 lbs. 85c, postpaid.

EARLY AMBER SUGAR CANE

Well known in many parts of Canada. We have seen magnificent crops, and it should be more generally grown, as it makes a valuable green-cutting crop, which is relished by all kinds of stock. Usually grows from 10 to 12 feet high, stands up well, produces small, tender, sweet and juicy stalks, well covered with leaves. When allowed to ripen, the seed is valuable for poultry. Lb. 10c, 10 lbs. 75c, 100 lbs. \$6.50. Postpaid, 25c lb., 5 lbs. \$1.00.

TOBACCO

The seed should be sown as early as possible after danger of frost is over. A good plan is to burn a quantity of brush and rubbish in the spring on the ground intended for the seed bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are large enough, transplant into rows six feet apart each way, and cultivate thoroughly.

Tobacco, Connecticut Seed Leaf—This is an old, well-tried variety; produces immensely on good soil. Pkt. 5c, oz. 50c.

Havana, Choice—A very early variety, and the best of the Americanized Havana. Pkt. 5c, oz. 50c.

White Burley—Leaf large and broad, with yellowish-white stem and ribs. Pkt. 5c, oz. 50c.

Prices on this page are subject to market fluctuations, and are here, except where marked postpaid.

SEED OATS—A CHANGE OF SEED ALWAYS PAYS.

**Bruce's Conqueror Oats.**

oatmeal. This sort is not at all fastidious with regard to soil, and will do well on light or sandy soils or vegetable moulds, provided in good condition. Highly recommended. By mail, postpaid, 25c lb., 5 lbs. for \$1.00. Peck 40c, bushel \$1.25 here.

New No. 72 Ont. Agricultural College—A variety of exceptional merit, an immense yielder, of fine appearance. It is a branching white oat, early and the straw is strong, of good quality; the hull is thin and the grain weighs heavy. Bushel \$1.10.

Green Mountain—The straw is absolutely rust-proof and of the best quality; it resists drought best, is a strong and vigorous grower; tilling abundantly, heavy, with drooping habit when ripe. It yields with great certainty, stands up well, is a grand stouter and of rugged hardiness, grain is large, pure white; makes grand oatmeal. Bushel \$1.10.

Bruce's Scottish Chief—A variety from Scotland, which has given excellent results. It is an early variety, and produces an excellent straw, which stands up splendidly. It is a heavy white oat of splendid quality, and yields most abundantly. Bushel \$1.10.

Silver Mine—A very early white oat, ripening with barley, with strong, stiff straw of medium height. It stands up straight, even in windy and wet weather. A very heavy yielder, with a large number of oats in each head. Bushel \$1.10.

Ligowo or Sensation—White, early; straw stiff and bright; head long, open and pyramidal; grain plump and heavy; very productive. Bushel \$1.10.

American Banner—Grain white, of medium size, plump and even; straw stands up well. Bushel \$1.10.

Regenerated Abundance—A fine white variety and a heavy yielder, and first-class straw. Bushel \$1.10.

Siberian White—An early, productive variety, claimed to be rust proof, straw is stiff and strong, grain handsome, plump and valuable for feeding on account of its thin hull. Bushel \$1.00.

Regenerated Black Tartarian—Imported Scotch Pedigree stock. A grand oat and a splendid yielder. Bushel \$3.00. By mail, postpaid, 1 lb. 25c, 5 lbs. \$1.15.

Black Tartarian—The favorite black oat, early and a good yielder. Canadian grown from the imported Scotch pedigree stock. Bushel \$1.10.

Any of the above varieties, except where noted, by mail, postpaid, 5 lbs. for \$1.00.

Prices on this page are subject to market fluctuations and are here, except where priced postpaid.

We are fortunate to be able to offer our customers oats grown in 1915, as they are much heavier than those grown in 1916. The demand for oats was small in 1916 owing to the wet season, and practically all our oats are 1915 crop.

We would advise customers to order early to make sure of getting the variety they wish, as there is sure to be a heavy demand this season.

The New Leader Oat—This exceptionally productive Oat is the first to produce five fully matured grains in a spikelet. It is a medium early, thick set and spreading, grain white, plump, with thin husk, straw strong and of fine quality. We have, therefore, no hesitation in claiming that, under normal conditions of cultivation, it will give a greater yield than any other cereal at present in cultivation. It possesses a remarkable adaptability to the various stages of fertility found in different soils, and instead of producing, like most other varieties on very rich soils, a rank growth of foliage at the expense of grain production, this new breed develops an ear (as shown in the illustration, see Novelties, page 3), possessing up to four or five grains in a spikelet throughout the ear. Owing to this valuable property, some phenomenal yields per acre, have been produced on very fertile classes of soils. Postpaid 25c lb., 60c peck, \$1.75 bushel here.

Bruce's Conqueror—A new variety from northern Europe, which has the record of yield among white sorts on good oat land. The panicle is short and small, with stiff branches, the spikelets tend to be three flowered, and grains are firmly set and do not fall off. The straw is of middle height and very strong, grain short, plump, thin skinned and pearly white; it is hardy, ripens medium early, and makes splendid

**Scottish Chief Oats.**

EARLY SOY OR SOJA BEANS

They ripen in Canada, grow nearly 4 feet high, heavily podded, and have yielded over 10 tons per acre. It is said to be a very valuable fodder variety, either for curing, feeding green, or for the silo for mixture with corn. A rich, nitrogenous food, unsurpassed as a flesh former, and like the Clovers, a soil improver. Sow in June broadcast 30 lbs. to acre, or plant in drills 3 feet apart, 1 foot between the plants. Peck \$1.10, bushel \$4.00. By mail 25c lb., 5 lbs. for \$1.10, postpaid.

SUNFLOWER

Mammoth Russian—This variety has large heads, borne at the top of a single, unbranched stem, and having much more and larger seed than the common sort. It is used extensively for feeding poultry. Sow the seed as soon as the ground is fit for planting corn, in rows 5 feet apart and 10 inches apart in the row. Cultivate same as corn. When the seed is ripe and hard, cut off the heads and pile loosely in a cool, dry place so that they can cure. After curing sufficiently so that they will thresh easily, flail out and clean with an ordinary fanning mill. This variety will yield 1,000 lbs. or more of seed per acre. Pkt. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c, postpaid; 100 lbs. \$9.00 here.



Soja Beans.

SPRING WHEAT

White Russian—An excellent all-round variety. Peck 65c, bushel \$2.25.

Wild Goose—Very productive, bearded head, with white chaff, straw stiff, grain hard and flinty, midge proof. Peck 65c, bushel \$2.25.

Marquis Wheat is a cross between Red Fife and an early hard red wheat from India called Hard Red Calcutta. The product of a single cross bred grain was grown for several years at the Central Experimental Farm, Ottawa, and selections were made from time to time. In 1903 the final selection was made and the name "Marquis" given to the product of a single plant. Compared with Red Fife, the growing crop of Marquis cannot be distinguished from it except that Marquis does not as a rule grow as tall a plant, the straw being stiff and straight, of medium length—not so liable to lodge as Red Fife, although the heads of Marquis are proportionately heavier than Fife. The kernel is distinctly different, being thicker, and more nearly round and usually of a darker color than Red Fife. A well developed and well saved sample is indeed very attractive. Peck 75c, bush. \$2.50.

Wheats by mail, postpaid; 25c lb., 5 lbs. for \$1.00.

FALL WHEAT

Bruce's Great Leader—New—The best Wheat on the market; white, early, bald, heavy and large cropper.

Grand Prize—Bald, splendid red wheat.

Red Wave—Bald, fine variety.

Red Clawson—Bald, well known.

Abundance—Bald, one of the best white wheats, splendid quality, heavy yielder.

Dawson's Golden Chaff—Bald, white, well known.

For prices, write for Wheat List, published 15th August.

FLAX

Sow as soon as the danger from frost is past, and early enough to secure the early rains. A fair average quantity of seed to be sown on an acre is one-half bushel when cultivating for seed; if for fibres, a larger quantity should be sown. Cut before quite ripe. **Extra Choice Screened**, for seeding. Per lb. 25c, postpaid. Per 100 lbs. \$6.25 here.

Flax Seed Meal—Splendid for horses. Per lb. 25c, postpaid; 100 lbs. \$26.25 here.

NEW COTTON BAGS

	Each.	Dozen.	100		Each.	Dozen.	100
Smith Mills W...	28c	\$3 25	\$26 00	Eagle B.	35c	\$4 10	\$33 00
X	31c	3 60	29 00	Stark Mills.	35c	4 10	33 00
Spring Grove, B.	33c	3 85	31 00	Blue Grass Sacks, Jute	28c	3 25	26 00
Amoskeag A.	33c	3 85	31 00	Potato Bags, Jute.	17c	1 90	15 00

Three supplied at dozen rate; 25 at hundred rate.

Prices on this page are subject to market fluctuations and are here, except where marked postpaid.



WILD RICE

(Zizania)—As an attraction for wild fowl, it is invaluable. In fish ponds and lakes it purifies the water and affords a refuge to the small fry from the large fish, and also furnishes them with food from the animalculae on the stalks. The seed should be sown in 6 inches to 6 feet of water, having a soft mud bottom and where there are but few weeds. It commences to sprout as soon as the water gets warm, and grows rapidly, ripening late in August or September. Lb. 25c, postpaid 40c per lb.

TARES OR VETCHES

Black Spring—Species of Pea, grown for soiling or sown with oats for feeding green. A splendid forage crop either sown alone or with oats. As a pasture for hogs it ranks high. After this crop the ground is left rich like a garden. Alone sow $1\frac{1}{2}$ bushels per acre. 1 lb. 25c, 5 lbs. \$1.10, by mail, postpaid. By freight, peck 95c, bushel \$3.50.

Sand or Hairy—It succeeds and produces good crops on poor sandy soils as well as on good land.; grows to a height of four or five feet. It is perfectly hardy, remaining green all winter, and should be sown in the spring, mixed with oats, spring rye or barley; or during August and September with winter rye, which serves as a support for the plants. It is the earliest crop for cutting, being hardier and nearly a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting spring crops. It is exceedingly nutritious, eaten with relish, and may be fed with safety to all kinds of stock. Sow 50 to 60 lbs. per acre, with one-half bushel of rye, oats or barley. Peck \$2.00, bushel of 60 lbs. \$7.50. By mail, postpaid, 35c lb., 5 lbs. for \$1.50.

Mixed with Rye—Peck \$1.50, bushel 60 lbs. \$5.00. Postpaid, 30c lb., 5 lbs. \$1.25.

Prices on this page subject to market fluctuations and are here, except where marked postpaid.

CORVUSINE D. G.

The best Seed Dressing in the world. It eradicates smut, protects the seed from vermin and birds; preserves the seed in cold, damp weather, helps the seed to germinate, and insures vigorous growth. It is not poisonous like bluestone, and does not clog the drill. Just sprinkle the seed with it and plant—that's all. Try it on 5 acres Fall Wheat. It is equally good for spring seed grain. Widely used in Great Britain and has been well tried in Alberta. It is all mixed ready for use. Directions on every can. Booklet with testimonials on application. Price: Tin No. 1, enough for 16 bushels wheat ..\$2.25. Tin No. 2, enough for 40 bushels wheat ..\$4.50.

BLATCHFORD'S CALF MEAL

The perfect milk substitute for calves, pigs, colts, and lambs. One pound mixed with seven pints of boiling hot water or four tablespoonfuls added to eight pints of sweet skim milk makes a gallon of gruel equal to one gallon fresh whole milk. 25 lb. bag \$1.00, 50 lb. bag \$1.90, 100 lb. bag \$3.75, 500 lbs. \$17.50.

BLATCHFORD'S SUGAR AND FLAX SEED

The ideal food to add to regular feed for horses, cattle, sheep and hogs, in preparing for the market sale or show. 20 lb. bag \$1.00, 100 lbs. \$4.75.

BIBBY'S CREAM EQUIVALENT FOR CALF REARING

Cream Equivalent contains practically twice as much oil as the average calf meal, and as oil or fat is the most important constituent of a meal of this kind, this fact enhances its value considerably as a substitute for milk over other calf meals. 50 lb. bag \$2.85; per 100 lbs. \$5.50.

BITTER-LICK

A pure, highly concentrated Medicinal Salt Brick of marvellous strength. Infallible in curative effect and absolutely free from any crude substance. It aids digestion, destroys and prevents worms and makes the coat glossy. For horses, cattle and sheep. Single bricks (2 lbs.), each 30c, per doz. \$3.00.

Bitter-Lick Holders—Single Holders 20c, per doz. \$2.25.

INVALUABLE IMPLEMENTS.

Automatic Corn Planter	Page 123
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Rittenhouse Seed Sower	125

FARMOGERM

Increases the crops. Enriches the soil.

See page 104.



Tares or Vetches.



FLOWER SEEDS

A Few Brief Practical Directions on Their Management

To be successful in the raising of plants from seeds requires much greater care than is commonly exercised, and many packets of valuable seeds are annually destroyed for the want of a little skill and forethought. Inattention or want of care in watering is undoubtedly the main source of failure, a single hour of a dry surface at certain stages of germination being sufficient in many cases to destroy life. Amateurs especially are reminded that there can be no fixed time for watering; the surface of the soil must never be allowed to become quite dry, neither must it at any time become decidedly wet, and to maintain this intermediate state is one of the essential conditions of success.

FLOWERING PLANTS ARE USUALLY DIVIDED INTO THE FOLLOWING SECTIONS:

ANNUALS, BIENNIALS, PERENNIALS.

Annuals—Plants which require to be sown annually, as they live and bloom only one season.

Biennials—Plants which do not flower until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed and some of the finest varieties are propagated from cuttings.

Perennials—Plants which continue to grow and bloom annually.

Annuals are called either *hardy*, *half-hardy* or *tender*. **Hardy** annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly leveled and the seed sown either in small patches, each kind by itself or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals applies to those annuals which, although they will flower freely in the open ground, require artificial heat to assist germination, and protection from atmospheric changes during the earlier stages of their growth, many of them are of great beauty and interest and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of greenhouse or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the greenhouse or plunging them into a moderate hot-bed carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted and planted either in different parts of the garden, or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of these will flower the next season.

On the Preparation and Management of a Hot-Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we will be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot-beds composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the manure is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time it should be well worked previous to being used. If obtained fresh from the stable yard and found to be dry, it should be well watered and thrown lightly together to ferment. This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littersy portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally sufficient. When thus cleansed of its rankness the beds may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches each way than the frame to be placed upon it. The manure should be well shaken and mixed up while being put together, and firmly pressed with the foot. The frame should be kept closed till the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use, but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

Bruce's Floral Collections for 1917

The following collections of Flower Seeds are arranged specially for the benefit of purchasers who find difficulty in making a selection where there are so many varieties in a class to choose from. Each collection contains an assortment of the most brilliant shades, giving the greatest diversity of color obtainable, and all are selected from our choicest strains. We offer them at about half our catalogue price to encourage the more general cultivation of flowers and to disseminate a knowledge of the different varieties. We have been so successful in capturing the public taste with our selections that we feel a degree of pride in referring to it, and it is our intention to maintain this standard of perfection.

BRUCE'S COLLECTION OF FLORAL GEMS.

Verbena, choice mixed.
Dianthus Pinks, mixed colors.
Candytuft, mixed colors.
Pansy, mixed.
Poppy, double mixed.
Petunia, striped and blotched.

Six beautiful varieties for 25c.

BRUCE'S EMPIRE COLLECTION OF ASTERS.

Queen of the Market, finest mixed.
Ostrich Plume, finest mixed.
Giant Comet, finest mixed.
Late Branching, finest mixed.

Four superb varieties, all colors, for 25c.

BRUCE'S ROYAL NOSEGAY OF SWEET PEAS.

Dorothy Eckford, white.
Miss Willmott, orange-pink.
King Edward, scarlet.
Hon. Mrs. Kenyon, cream.
Prima Donna, pink.
Frank Dolby, lavender.

Six Standard Varieties, 25c.

BRUCE'S PEERLESS COLLECTION OF TALL OR CLIMBING NASTURTIUMS.

Crimson.
Sunlight, golden yellow.
King Theodore, black, brown.
Fashion, crimson-rose.
Chameleon, various colors.
Spitfire, glowing scarlet.
Six of the best tall or climbing sorts for 25c.

BRUCE'S PEERLESS COLLECTION OF DWARF NASTURTIUMS.

Empress of India, crimson.
Vesuvius, salmon rose.
Aurora, primrose and pink.
Golden King, golden yellow.
Ruby King, ruby red.
Lady Bird, yellow and crimson.
Six of the finest varieties for 25c.

BRUCE'S SPENCER COLLECTION SWEET PEAS.

Maud Holmes, red.
Countess Spencer, pink.
Masterpiece, lavender.
Othello, chocolate.
Evelyn Hemus, cream and pink.
Duplex, pink.

Six of the finest varieties, 50c.

FLORAL NOVELTIES FOR 1916

The Description Given are those of the Growers

Ageratum, Little Blue Star

This pretty new variety is entirely different from all other dwarf Ageratums. The wee, bushy plants do not exceed 4 or 5 inches in height, and are literally covered with clusters of small, bright blue flowers, which before opening show a reddish-purple center. A splendid plant for borders, edgings, etc. Pkt. 15c.

THE CARDINAL CLIMBER

(Ipomea Quamoclit Hybrida.)

The most brilliantly beautiful New Annual Climber that has been introduced for many a year. An extremely rapid grower, it flowers early and profusely; the vines branch freely, quickly attaining a height of from 20 to 30 feet. The dark green leaves are deeply lacinated, resembling a fine Japanese Maple; each plant bears almost countless numbers of extremely rich, circular, glowing scarlet flowers, which average $1\frac{1}{2}$ inches in diameter, the tube being $1\frac{1}{4}$ inches in length. It succeeds best in a warm, sunny situation, and should be planted in rich soil. While most profuse in flowering from July until frost, it is a shy seeder. The seed may be started indoors in March or April, or sown outdoors in May, when the weather gets warm and settled. In either case it is well to file or cut through the hard outer shell of the seed or steep in warm water until they begin to swell, which greatly assists in a free and quick germination. If sown in cold, wet ground, the seed is liable to rot. Pkt. 15c.



The Cardinal Climber.

BEDDING VIOLAS

..New Scotch Strain of the choicest and newest bedding hybrids. While the flower of the Viola or Tufted Pansy is not so large as the regular type, yet they are superior to Pansies where effect is wanted. The colors are clear and distinct, and include, white, lemon, orange, lavender, purple, etc. Seed sown in March or April produce flowering plants by June, and from then on until frost they are a sheet of bloom. Pkt. 20c.

LONG SPURRED AQUILEGIAS OR COLUMBINES

Mrs. Scott Elliot's Strain of New Hybrids.

A magnificent strain of the perfectly hardy and easily grown Columbine, representing the work of many years of the painstaking cross-breeding and selection by Mrs. Scott Elliot, Hawick, Scotland. The seed we offer is saved only from selected plants and chosen for either size, form, or delicacy of coloring. The colors range through all shades of white, lavender, salmon, mauve, pink, yellow, orange, scarlet, etc. The plant is a true hardy perennial and grows about $2\frac{1}{2}$ ft. high. Pkt. 15c.



Long Spurred Aquilegias.

Delphinium Belladonna

(Everblooming Hardy Larkspur.)

This charming new variety is the freest and most continuous blooming of the hardy Larkspurs. The flowers are gracefully borne and never crowded upon the spikes as in the ordinary types of Delphinium and are much more attractive for cutting and decorative work. The plants grow from three to five feet high, and are self-supporting. The individual flowers measure two inches across, the colors ranging from the lightest lavender and azure blue through the loveliest intermediate shades to deepest blue. Seed sown in early spring will produce plants that will bloom freely through the late summer and autumn. Pkt. 15c.

Annual Poinsettia

Euphorbia Heterophylla (Mexican Fire Plant.)—An annual, resembling in habit and color the beautiful hot house Poinsettia. The plants grow 2 to 3 feet high, with glossy-green leaves, which about mid-summer become beautiful orange-scarlet, presenting a striking and brilliant appearance. Pkt. 10c.

FAMOUS ASTERS

KING ASTERS

The "King" Asters form a new and distinct class. The plants are very tall and crowned with massive flowers, quite unlike any other type in cultivation. The petals are very long and narrow, nearly straight and almost flat. The thick masses of narrow petals give the flowers a beautiful soft, fluffy appearance, and their immense size and peculiar form make them strikingly handsome and distinct.

White King—Pure white. Pkt. 15c.

Pink King—Very attractive color. Pkt. 15c.

Lavender King—Soft shade of lavender. Pkt. 15c.

Crimson King—Very brilliant color. Pkt. 15c.

Violet King—Violet. Pkt. 15c.

WHITE PERFECTION.

A magnificent mid-season pure white Aster. The plants are extremely vigorous, with unusually broad, dark green leaves, the large double flowers being carried on long, stout stems, free from side branches, making them especially valuable for cutting. Pkt. 15c.

VICK'S ROYAL ASTERS.

A new class of Asters in which the petals are very broad and distinctly incurved or shell-shaped. The flower has a charming grace and a Chrysanthemum-like effect. In size the flowers are like the Late Branching Asters, and the plants have the same sturdy vigor, but are not so tall, as they branch close to the ground. In season they are earlier than the Branching Asters, remaining in bloom a long time.

Royal White—A beautiful, glistening white. Pkt. 20c.

Royal Pink—A dainty shell-pink. Pkt. 20c.

Royal Lavender—Beautiful shade of lavender. Pkt. 20c.

VICK'S AUTUMN GLORY.

A new very late branching Aster, blooming after the other late Asters are past their best, thus prolonging the Aster season two weeks, and coming at a time when good flowers are extremely scarce. Autumn Glory is a lovely pure sea-shell pink. The flowers are very double and are borne on stems of unusual length. Pkt. 25c.

PEACH BLOSSOM.

Late Branching Peach Blossom is a decided and pleasing shade of deep, lavender pink. The flowers are of the largest Branching size, and very deep, having an unusual number of rather narrow petals. The size and thickness of the flower gives it a massive effect. Pkt. 15c.



VICK'S PINK ENCHANTRESS.

Is upright in habit, as distinguished from the branching form. The plant is very vigorous and produces long, strong, graceful stems for the support of numerous large, marketable blooms. The flower is always full double; petals are of medium length and very broad. Those toward the centre fold in very regularly, while gradually, towards the outer edge, the petals stand out more and more, until those on the outside recede from the centre, thus increasing the diameter of the flower, which compares very favorably in size with the largest kinds. Pkt. 15c.



New Canadian Aster, The Brooking.

NEW CANADIAN ASTER, THE BROOKING.

Mr. Brooking, the originator, has, by careful and painstaking selection, brought this beautiful Aster to a very high degree of perfection. The plants attain a height of 24 to 30 inches, and are well branched, with long, strong stems, the flowers being densely double and extra large, possibly the finest mid-season Aster yet introduced.

Brooking White and Pink—Each, pkt. 10c.

NEW WHITE ORIENTAL POPPY

This valuable novelty is the most distinct break that has yet been made in Oriental Poppies, it being a pure satiny white, with a bold crimson blotch at the base of each petal; unquestionably the most important addition to the list of hardy perennial seeds for the season of 1917. Like most hybrids, the seedlings are liable to vary somewhat in color, but a good percentage can confidently be expected to come true. Pkt. 25c.

THE SHIRLEY POPPY (Re-selected)

This is an extra fine English strain of these charming Poppies. The colors range from the purest white, through shades of apricot, salmon, pink, rose, carmine and crimson, while many are daintily edged and striped. Pkt. 10c.

Double Flowering Gypsophila (Gypsophila paniculata, fl., pl.)

A new double form of the well known hardy perennial "Baby's Breath," the plant grows from 3 to 3½ feet high, bearing its pretty little double white flowers in feathery sprays, which, when cut, can be used to great advantage with other flowers. Pkt. 20c.



New White Oriental Poppy.

PRIMULA JAPONICA

Mrs. Scott Elliot's New Hybrids

This is a very fine strain, and is the result of several years careful artificial hybridization. The colors range from pure white through all shades of pink to deep crimson. The plants are extremely robust, having flower stems carrying fine heads of bloom—frequently attaining a height of 40 inches and over. It is a most striking looking plant, and these fine hybrids when in bloom, with their varied colours, make a splendid show, lasting a long time in flower. They are quite hardy, but partly die down in winter, beginning to grow again in spring, when the plants may be divided, but seedlings give much the best results. This is certainly the brightest and most magnificent of all the various primulas, and a plant of very stately growth. Pkt. 15c.

ANCHUSA ITALICA "Dropmore Var"

A fine, large, hardy, bushy perennial plant 3 to 5 feet high, bearing during May and June an abundance of flowers of the richest Gentian blue. Pkt. 10c.

ALYSSUM "LILAC QUEEN"

A distinct new variety of the annual Sweet Alyssum, with pure lilac flowers. The plants are dwarf, and of compact, upright growth, and when in full bloom resemble a miniature Candytuft. Pkt. 10c.

PRIMULA MALACOIDES

Introduced by China, the pretty Primula Malacoides has proved to be one of the freest-flowering species for pots, and is, in consequence, already widely cultivated. The flowers are a beautiful shade of light lilac; the seedlings bloom at four months; from sowings made in January or February they will flower from May to July, while by sowing in August, one may obtain a rich display of bloom lasting well into the winter months. This quick growth, combined with the rare grace of the inflorescence, will bring Pr. Malacoides into vogue as a conservatory and indoor plant. Pkt. 25c.

PRIMULA KEWENSIS

This charming addition to the greenhouse Primroses originated at the Royal Gardens, Kew. The plant is a strong grower, with bright, green leaves, numerous erect flower-scapes, 10 to 18 inches in height, producing flowers in whorls at intervals along their whole length. The flowers are fragrant; bright yellow in color. As a winter flowering decorative plant it is an acquisition. Pkt. 25c.



Primula Japonica.



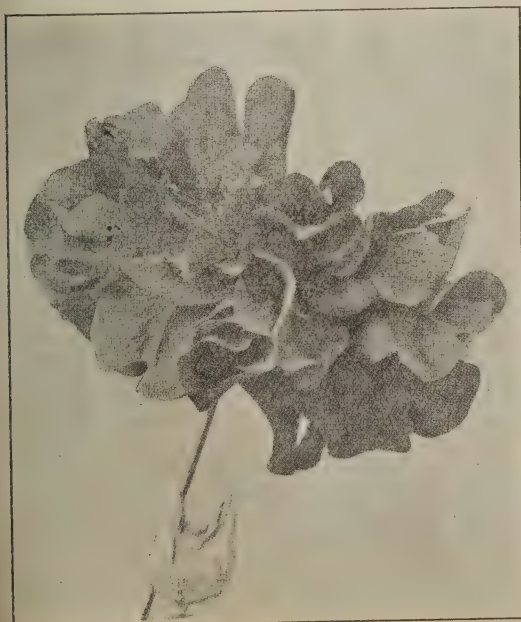
Primula Malacoides.



The Red Sunflower.

NEW RED SUNFLOWER

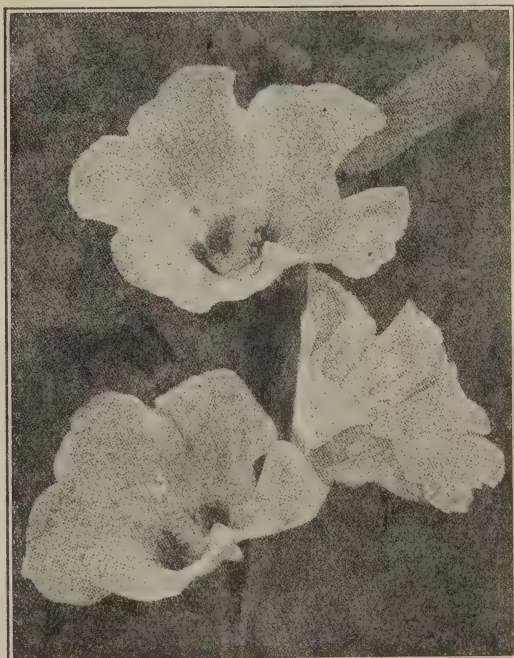
The plants vary in height from 5 to 7 feet, and throw out many side branches, all of which terminate with flowers 6 to 8 inches across—of refined form, having large, long rays and small discs. Some plants produce flowers of a rich, chestnut-red colors, other red flowers tipped with yellow, others red margined with yellow in varying widths. About 12 per cent. of the plants may produce all yellow flowers, but these plants may be "rogued out" while young by noting the degree of purple in the stem growth, for plants all green will bear all yellow flowers. They are as easily grown from seed as any other annual Sunflower—they thrive in almost any soil in a sunny position. The seed may be sown in the open ground when warm enough. The plants commence flowering in about 8 weeks from seed sowing, and should stand not nearer than 3 ft. apart for best development. Pkt. 10c.



Geum Coccineum.

New Morning Glory, Double Snow-Fairy

This new double flowered White Morning Glory is truly magnificent, and marks a decided advance in climbing annuals. Nothing like it had ever been known before! It grows as vigorously as the common Morning Glory, the vines quickly reaching a height of twelve to fifteen feet. It begins to bloom early and continues to flower freely without intermission until frost. The flowers appear like large, snow-white tassels, free from spots or blemish. Upon examination, however, it will be seen that there is a well-formed single white Morning Glory in the center, which is completely surrounded by numerous white petals, the whole forming a most unique and beautiful tassel-like blossom. The flowers are two and a half to three inches across by two and a half inches deep. Pkt. 10c.

**HIBISCUS (Mallow)**

A desirable border plant, succeeding in any sunny position, but doing best in a damp place; grows 4 to 6 ft. high, with large foliage and large, showy flowers of delicate coloring, produced during August and until late in autumn.

Mallow Marvels—A robust type of upright habit producing an abundance of flowers of enormous size, in all the richest shades of crimson, pink and white; this is an exceptionally fine strain, saved from the choicest and largest hand-fertilized flowers. A most desirable novelty; mixed colors. Pkt. 15c.

Geum Coccineum--Mrs. Bradshaw

A grand new hardy perennial of rare beauty and real merit. The plant is stiffly erect in growth, reaching eighteen inches to two feet in height. The grand double flowers are of deep orange-scarlet, about two inches in diameter, and borne freely upon long, strong wiry stems throughout the entire summer and fall. It is particularly attractive in the border, while its rich, glowing color makes the flowers most useful for cutting. From seed sown early the plants will bloom the first season. Pkt. 15c.



NEW DOUBLE COSMOS

A new race of Cosmos, with beautiful Anemone-like blossoms. The plant is a strong vigorous grower, flowering about the same time as the Late Flowering Mammoth. A large percentage comes true from seed, both as to color and doubleness.

Double Pink—Pkt. 20c.

Double White—Pkt. 20c.

NEW SWEET PEAS

"FIERY CROSS"

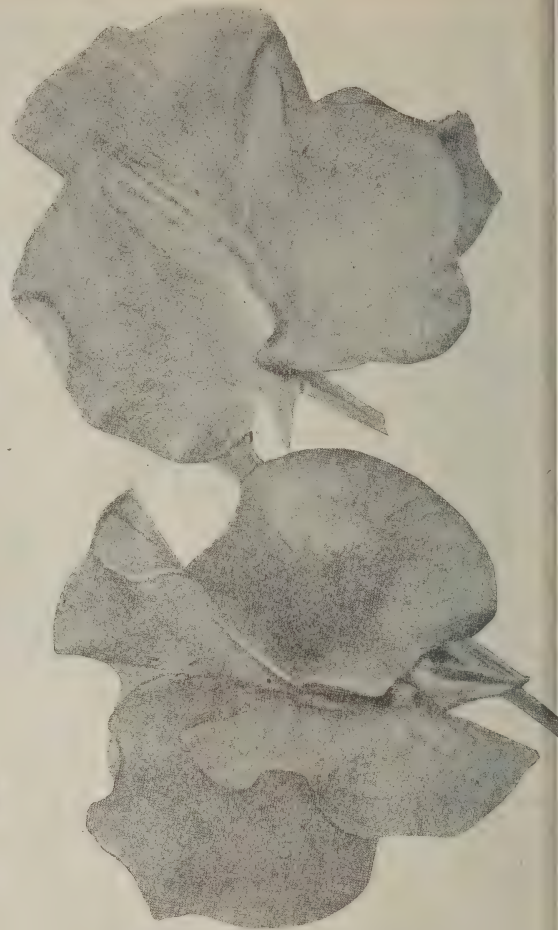
"Fiery Cross has all the appearance of live fire, the color being a scorching fire-red, or scarlet, without any shading and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties it does not scorch or burn even during extended periods of intense sunshine, therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long, stout stems.

"Fiery Cross" was awarded the Silver Medal, National Sweet Pea Society of England, July, 1915; Award of Merit, American Sweet Pea Society, June, 1915, and Silver Medal, American Sweet Pea Society, Newport, R. I., July, 1915.

Pkt. 15c.

YARRAWA

This magnificent novelty is a sport from a summer flowering Spencer, retaining the heavy foliage and strong growth. When grown under glass it attains a height of ten to twelve feet, flowering uninterruptedly for several months. From seed sown in early October the plants will bloom in December and keep blooming profusely until May. The flowers are exquisitely waved and when well grown average two and one-half inches in diameter, many of them being duplex or double. They are produced usually in fours, on extra long, strong stems. The color is a bright rose-pink, with a clear, creamy base, the wings being slightly lighter in tone. Yarrawa, grown outdoors, begins to flower fully two weeks earlier than the summer Spencers. Pkt. 15c, ½ oz. 50c, oz. \$1.50.



"MARGARET ATLEE"

Margaret Atlee is a rosy salmon pink on a creamy-buff ground; a rich, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large, wavy and inclined to double under favorable conditions. It runs almost uniformly four blossoms to the stem; well poised and graceful, and under ordinary culture they are delicate and refined to a degree. A strong, thrifty grower and profuse bloomer. First prize, American Sweet Pea Society 1912; Silver Medal, National Sweet Pea Society of Great Britain, 1914. Pkt. 15c, ½ oz. 40c, 1 oz. 75c.

"KING WHITE"

Undoubtedly the best white now in cultivation. The improvement in form, size, vigor, waviness and purity stands eminently out when compared to other White Spencers. The number of four-blossomed sprays and the great length of stem will appeal strongly to those wishing a good white for decorative work. King White has been awarded the Award of Merit of the British National Sweet Pea Society and Certificate of Merit from the Pennsylvania Horticultural Society. Pkt. 15c, ½ oz. 35c, 1 oz. 60c.

"ILLUMINATOR"

"Illuminator" introduces a new shade of color to Sweet Pea enthusiasts, of rare beauty and with its additional attributes of great vigor, floriferousness and symmetry, it is sure to captivate all who give it a place in their garden. Awarded Certificate of Merit by the Pennsylvania Horticultural Society. Pkt. 15c, ½ oz. 35c, 1 oz. 60c.

BRUGES'S SELECTED FLOWER SEEDS

ALL FLOWER SEEDS SENT FREE BY MAIL AT CATALOGUE PRICES



Abronia.

ABRONIA.
A pretty creeping plant with verbenalike heads of sweet-scented flowers. Hardy annual.

Umbellata Grandiflora—Delicate rose. Pkt. 5c.

ABUTILON.

Large flowers in red, white, rose and orange; richly veined; suitable for house in winter and garden in summer; half hardy shrubs; easily raised from seed. Finest mixed hybrids, pkt. 10c.



Abutilon.

PTARMICA FL. PL. (Double White Yarrow)—One of the best hardy white perennials; grows about 2 feet high, and from spring till frost is covered with heads of pure white flowers; easily grown from seed, flowering the first season, if sown early. **The Pearl**—Extra double. Pkt. 10c.



Ageratum.

ACHILLEA.
Monkshood—A free blooming plant of easy culture; flowers blue and white; 3 feet; hardy perennial. Pkt. 5c.

AGERATUM.

Very valuable and showy bedding plants. If lifted in fall and placed in the parlor or greenhouse will keep up a succession of flowers during the winter. Annual.

Mexicanum—Blue. Per oz. 30c, pkt. 5c.

Dwarf Blue—Azure blue, very floriferous. Pkt. 5c.

Dwarf White—Extra fine. Pkt. 5c.

Victoria Louise—Sky blue flowers with white centre. Very pretty. Height seven inches. Pkt. 10c.

Blue Perfection—This is the darkest colored of all Ageratums; color deep amethyst blue; compact growth, fine bedder. Pkt. 5c.

Little Blue Star—Charming novelty. See description page 48. Pkt. 15c.

ALYSSUM.

Free flowering, useful, pretty little plants for beds, edgings, and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance. Annual.

Sweet Alyssum—Height $\frac{1}{2}$ foot. Oz. 30c, pkt. 5c.

Little Gem—Dwarf compact habit; 4 inches. Pkt. 5c.

Lilac Queen—A distinct new variety, with pure lilac flowers. The plants are dwarf and grow upright and the flowers when in full bloom resemble a miniature Candytuft. Pkt. 10c.

Saxatile Compactum—Flowers golden yellow; very pretty. Hardy perennial; height 9 inches. Pkt. 5c.

AGROSTEMMA.

Coronaria—Rose Campion — Free blooming and pretty; hardy perennial. Pkt. 5c.

Coeli Rosea—Rose of Heaven — Flowers bright rose, excellent for cutting. Height 18 inches. Hardy annual. Pkt. 5c.

AMARANTHUS.

Ornamental foliage plants of extremely graceful and interesting character, producing a striking effect, whether grown in conservatory or flower garden. Hardy annual.

Melancholicus Ruber—Crimson foliage, 2 ft. Pkt. 5c.

Tricolor Splendens—Joseph's Coat—Very pretty; 2 ft. Pkt. 5c.



Sweet Alyssum.

AMPELOPSIS VEITCHII.

Japanese Ivy—This beautiful climber, generally known as Boston Ivy, is specially adapted for covering brick or stone buildings. Hardy perennial. Pkt. 5c.

For Plants, see Plant Department.

ANCHUSA.

Italica—"Dropmore Variety."—A fine large, hardy, bushy perennial plant 3 to 5 feet high, bearing during May and June an abundance of flowers of the richest gentian blue. Pkt. 10c.

ANTIRRHINUM

Snap Dragon—An old garden favorite, of easiest culture. For gorgeous colorings few flowers can match them. Raised under glass inspring and planted out, all the varieties will bloom profusely during summer and into autumn. They thrive in any soil, the tall sorts yielding an abundance of fine cut flowers, while the dwarf sorts make handsome edging. Half-hardy perennial.

Tall Varieties—The old-fashioned type, grand for cutting. Finest mixed; 2 feet. Pkt. 5c.

Semi-Dwarf, Large Flowered—These half-dwarf varieties are about twenty inches in height and produce most lavishly magnificent spikes of flowers of the largest size and of many dainty shades and striking colors; the best for bedding purposes.

The Bride —Pure white	Pkt. 10
Carmine Queen —Rose carmine	10
Vesuvius —Vivid orange	10
Cottage Maid —Coral pink and white	10
Amber Queen —Canary yellow and pink	10
Maize Queen —Salmon and yellow	10

One each of the above six varieties 50c.

Finest Half-dwarf Mixed Pkt. 10



Aquilegia, Double.

Giant Flowered—The flowers of this new strain are much larger than those of the old type, and the plants grow taller.

Queen Victoria —White..	Pkt. 10	Venus —Pink and white..	Pkt. 10
Luteum —Yellow ..	10	Delila —Pink, yellow and	10
Bonfire —Red and yellow ...	10	white	10
Cresica —Dark scarlet	10		

One packet each of above six varieties 50c.

Finest Giant Mixed—All colors. Pkt. 10c.

Silver Pink—A beautiful shade of pale pink, of special value for greenhouse decoration and for cut flowers during winter. Pkt. 15c.

AQUILEGIA OR COLUMBINE.

An extremely showy genus of early summer blooming plants, their flowers being beautiful both in form and color. Hardy perennial.

White Spurred (*Chrysantha Gran. Alba*)—A beautiful large pure white, long spurred variety. Pkt. 10c.

Rose Queen—(*Coerulea rosea*)—Delicate rose shades, with white centre and yellow stamens. Pkt. 10c.

Long Spurred Hybrids—(*Coerulea hybrida*)—Superb long spurred flowers in a great variety of colors. Pkt. 10c.

Mrs. Scott Elliot's Strain of Long Spurred Hybrids—Very refined mixture. See Novelties, page 48. Pkt. 15c.

Double Mixed—Pkt. 5c.

Choice Mixed—Many sorts, single and double. Pkt. 5c.

ARABIS (Rock Cress).

One of the earliest spring flowering hardy perennials; it grows about six inches high, of dwarf, spreading habit, and profusely covered with pure white, fragrant flowers.

Alpina—Fine for rockeries. Pkt. 5c.

ARISTOLOCHIA SIPHO.

(Dutchman's Pipe Vine,)

A vigorous and rapid growing climber, and trained against the house or verandah the effect of its massive foliage is matchless; brownish-colored pipe-shaped flowers. Hardy perennial. Pkt. 10c.

ASPARAGUS SPRENGERI.

Specially useful to grow as a pot plant for decorative purposes, or for planting in vases or suspended baskets. It grows freely the whole year round; as it withstands dry atmosphere it makes an excellent house plant. A vigorous grower, producing sprays four or five feet long, of fresh green, feathery foliage. Useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Pkt. 10c.



Giant Flowered Antirrhinum.



Asparagus Plumosus. Page 55.

ASPARAGUS PLUMOSUS NANUS.

A beautiful plant, with bright green, gracefully arched foliage, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. The fronds are twelve to fifteen inches in length, and taper to a point from a width of twelve inches. One of the most beautiful decorative plants. Pkt. 20c.

ASTERS**DOUBLE ASTERS.**

The Aster is not only one of the most popular but also one of the most productive of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most beautiful and perfect form. In our flower beds and mixed borders it occupies a deservedly prominent position. All the varieties delight in a rich, deep soil, and in hot, dry weather should be mulched with well-rotted manure and frequently watered. Hardy annual.

QUEEN OF THE MARKET.

An extra early variety of graceful spreading habit; valuable for cutting.

Pure WhitePkt. 5 Light BluePkt. 5
Blush WhitePkt. 5 PurplePkt. 5
Rose PinkPkt. 5 Scarlet.....Pkt. 5
Choice Mixed, oz. \$1.00, $\frac{1}{4}$ oz. 30c, pkt. 5c.

COMET EXPRESS.

An early flowering Comet, the flowers of which are considerably larger than those of the Queen of the Market, while just as early as that variety; height 18 inches. Pure white, rose-pink, pkt. 10c.

OSTRICH PLUME.

A new large flowered strain of the best Comet type. Plants are of a strong, bushy habit of growth, the handsome flowers like Japanese Chrysanthemums, being borne on long, strong stems, unsurpassed for cutting; height 20 to 24 inches.
WhitePkt. 10 Shell Pink ...Pkt. 10
Light BluePkt. 10 RosePkt. 10
Lavender Pink ..Pkt. 10 Choice Mixed Pkt. 10

Dwarf Chrysanthemum-Flowered—Flowers very large and double, resembling Chrysanthemums. Height 9 to 12 inches.
Pure white, extra finePkt. 10
Choice mixed, all colorsPkt. 10

DWARF VICTORIA.

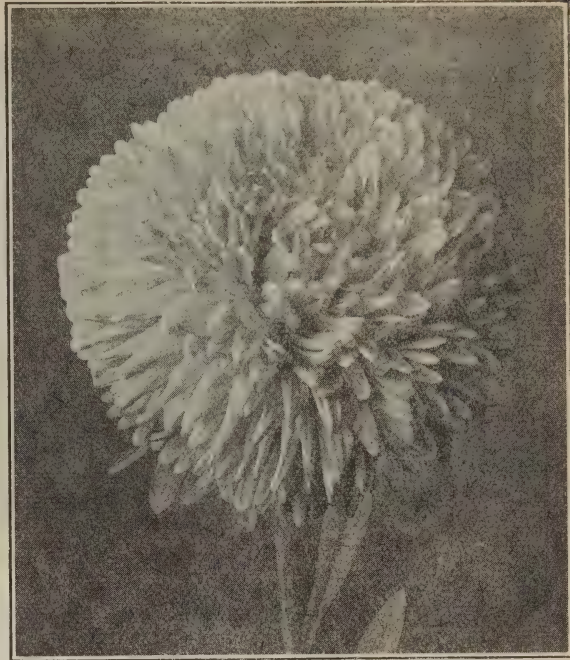
Admirably adapted for bedding and also florists' use; height 9 to 12 inches.
Pure whitePkt. 10 Choice Mixed ..Pkt. 10

Quilled Betteridge's Prize—Petals quill shaped; flowers large and double; height 2 feet.
Choice mixedOz. \$1.00, pkt. 5c

GIANT COMET ASTER

A magnificent class, of strong growth. The handsome flowers, which are extremely loose and graceful, are borne on long stems; of great value for general decorative purposes; height 18 to 24 inches.

The Bride—White, changing to rosePkt. 10
Pure WhitePkt. 10 Shell-Pink ...Pkt. 10
CrimsonPkt. 10 Lavender-Pink Pkt. 10
RosePkt. 10 PurplePkt. 10
Pink, bordered white, newPkt. 10
Mixed, all colors $\frac{1}{4}$ oz. 75c, Pkt. 10

**The Brooking Aster—Giant White.**

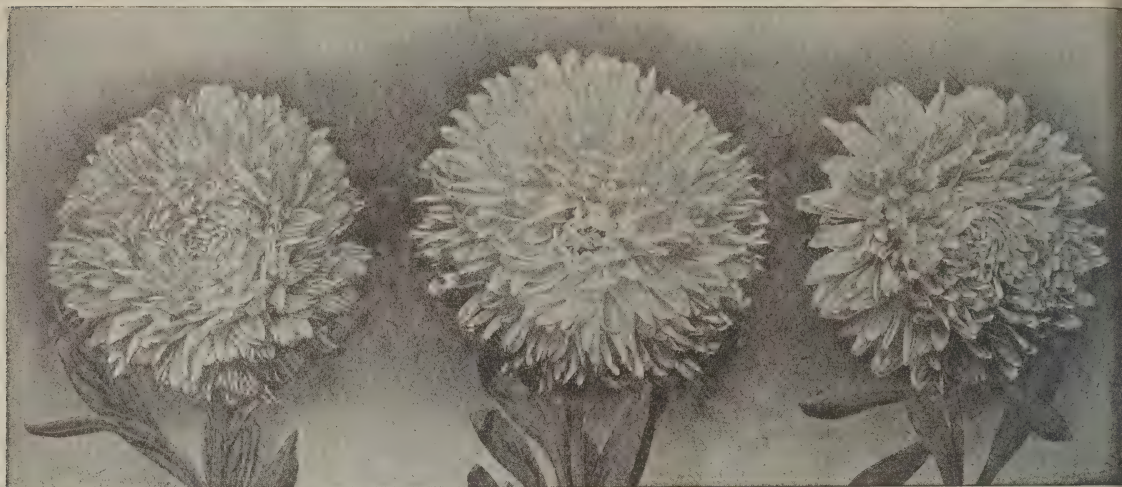
This magnificent Aster is of sturdy growth, well branched, bearing on long, straight stems the most perfect double flowers of the largest size. No finer mid-season white aster grown. See above reproduction from a photograph.

Brooking's Giant White—Pkt. 10c.

Triumph—A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large and of rare beauty, the petals being beautifully incurved. Makes a fine pot plant; deep scarlet. Pkt. 10c.

**Giant Comet Aster.**

ASTERS—Continued.



Late Branching Asters.

LATE BRANCHING ASTER.

A variety of American origin. The flowers are borne erect on very long stems. The broad, wavy petals are gracefully curled and twisted. Being a late bloomer, the flowers come at a time when other kinds are scarce, and thus the more prized.

Lavender-Pink . . .Pkt. 10	Crimson . . .Pkt. 10
Shell-Pink . . .Pkt. 10	Purple . . .Pkt. 10
Pure White . . .Pkt. 10	Lavender . . .Pkt. 10
Deep Rose . . .Pkt. 10	

Peach Blossom (New)—Deep lavender pink.Pkt. 15c
Choice Mixed—All colorsPkt. 10
Crown or Cocardeau—A very showy variety; flowers double, with a white centre, surrounded by petals of a distinct bright color; height 18 to 20 inches. Choice mixed. Pkt. 10c.

LARGE FLOWERED VICTORIA.

A magnificent race of Asters, flowers are large, globular and double; plants pyramidal, bearing from 10 to 12 blooms at one time; height 18 to 20 inches.

Pure White . . .Pkt. 10	PurplePkt. 10
PinkPkt. 10	CrimsonPkt. 10
Light Blue . . .Pkt. 10	Peach Blossom. Pkt. 10
Choice mixed, all colors $\frac{1}{4}$ oz. 75c,	Pkt. 10

Imported Collection—6 separate colors . . . 50c

BRUCE'S SUPERB MIXTURE OF ASTERS

The best large-flowering varieties of different type, suitable for cut flowers, such as Truffaut, Giant Comet, Victoria, Late Branching and other desirable sorts. This select mixture contains a liberal proportion of white and light shades, ensuring a most satisfactory result in color. $\frac{1}{4}$ oz. \$1.00, pkt. 10c.

DOUBLE MIXED ASTERS.

A good mixture of different types. Oz. 75c, $\frac{1}{4}$ oz. 25c, pkt. 5c.

Our Special Offer in Asters**BRUCE'S EMPIRE COLLECTION FOR 1917**

Queen of the Market, mixed.
 Ostrich Plume, mixed colors.
 Late Branching, mixed.
 Giant Comet, finest mixed.

All separate; mailed to any address for 25 cents; usual catalogue price 35 cents.

VARIOUS AMERICAN ASTERS

King Asters—A new and distinct class, a very free grower, with long, strong stems and perfectly double flowers.

Violet King—Soft shade of violet . . .Pkt. 15
White King—Pure whitePkt. 15
Pink King—Delicate pinkPkt. 15
Lavender King—LavenderPkt. 15
Crimson King—Deep crimsonPkt. 15

New Pink EnchantressPkt. 15

Vick's Autumn GloryPkt. 25

New Peach BlossomPkt. 15

For description of above varieties see page 49.

Lavender Gem—This beautiful Aster is of the Comet type, with large, artistic, loosely-arranged flowers, of the most charming shade of lavender. Pkt. 10c.

Crego's Giant—The flowers are of immense size. The plants are of sturdy growth, attaining a height of over 2 feet, well branched, with long, strong stems and artistic fluffy flowers rarely less than 4 inches across.

Crego's 'White' . . .Pkt. 10	Crego's Shell Pink. Pkt. 10
Crego's Lavender. Pkt. 10	Crego's Mixed . . .Pkt. 10
Crego's Purple . . .Pkt. 10	

Daybreak—The flowers are round, very large and full, on long stems. The color is a lovely sea-shell pink. It is an early bloomer and a strong, compact grower. Pkt. 10c.

Purity—Identical in every way to Daybreak, but a pure snow white. Pkt. 10c.

Royal Asters—One of the best general purpose Asters. In size the flowers are like the Late Branching, and the plants have the same sturdy vigor, but are not so tall, as they branch close to the ground; they are earlier than the Branching Asters, remaining in bloom a long time.

Pure WhitePkt. 20	Shell-PinkPkt. 20
LavenderPkt. 20	MixedPkt. 20

WHITE PERFECTION

A magnificent mid-season, pure white Aster. The plants are extremely vigorous, with unusually broad, dark green leaves, the large double flowers being carried on long, stout stems, free from side branches, making them especially valuable for cutting. Pkt. 15c.

ASTERS—continued

Truffaut's Pæony-Flowered Aster.

TRUFFAUT'S PÆONY-FLOWERED.

One of the most perfect and popular of the Asters, the flowers being very double, large and handsome; the petals incurved; height 18 to 24 inches.

Snow White ..Pkt. 10	Purple .. ....Pkt. 10
Pale Pink ....Pkt. 10	Light Blue ....Pkt. 10
Crimson .. ...Pkt. 10	Bright Rose ..Pkt. 10
Choice mixed, all colors.....¼ oz. 60c, Pkt. 10	
Imported Collection, 8 separate colors 50	

AURICULA.

Splendid spring flowering perennials of great beauty and delightfully scented, succeeding best in northern aspect. Pkt. 10c.

ARCTOTIS GRANDIS.

An annual from Southwest Africa. The leaves are soft and whitish. Its flower heads, borne on long stems, are from 2½ to 3 inches across; the ray florets being pure white on the upper surface, are embellished by a narrow yellow zone at their base; reverse of petals pale lilac; of easy culture; height 2 feet. Pkt. 5c.



Double Balsam.

DOUBLE BALSAM

Well known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. Half-hardy annual.

White.....Pkt. 10c Crimson.....Pkt. 10c
Double-Flowered—Extra choice mixed. Oz. 75c, pkt. 10c.

Double-Flowered—Fine mixed. Oz. 50c, pkt. 5c

IMPORTED COLLECTIONS.

Camellia Flowered—Eight distinct colors, 50c.

BALLOON VINE.

Cardiospermum Halicacabum—A genus of rapid growing climbers, remarkable for an inflated balloon-shaped seed capsule, which it bears in clusters; height 6 to 8 feet. Annual. Pkt. 5c.

BEGONIAS

Tuberous Rooted Begonia.

Tuberous Rooted, New Hybrids. These splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer with bright and elegant flowers of almost every shade of color; flowers of some varieties attain an extraordinary size, being frequently 6 inches in diameter. Plants do best when grown in a partially shaded situation. Seedlings raised in heat early in spring will flower the same summer.

Single varieties, with plain, frilled and wavy petals, finest mixed, pkt. 10c.

Double varieties, finest mixed, pkt. 25c.

FIBROUS ROOTED BEGONIAS.

Semperflorens—A perpetual flowering section of great value for bedding. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

Vernon—Rich red flowers and glossy bronze red foliage. Height 6 inches. Pkt. 15c.

Erfordia Grandiflora Superba—A large flowered strain of this popular bedding Begonia. Flowers bright rosy-carmine. Pkt. 15c.

Gracilis Luminosa—The foliage of this magnificent new Begonia is a lustrous reddish brown color, while the flowers, measuring 1 to 1½ inches across, are of a fiery dark scarlet. No better sort for bedding has yet been seen. Pkt. 25c

BARTONIA AUREA.

Very showy; golden yellow; height 1½ feet. Annual. Pkt. 5c.

BROWALLIA.

Speciosa Major—The plants of this new variety grow only about a foot high, forming dense little bushes, which are covered with an abundance of the most intense violet-blue flowers, much larger than those of the older sorts. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Annual. Pkt. 10c

BRACHYCOMBE.

Swan River Daisy—Dwarf, free flowering plants, covered all summer with a profusion of Cineraria-like flowers; very attractive in edgings, rustic baskets or for pot culture. Half-hardy annual.

Iberidifolia—Fine mixed; ½ foot. Pkt. 5c.

CANARY BIRD FLOWER.

Tropaeolum — Bright fringed yellow creeper; very ornamental; a general favorite; 10 feet. Half-hardy annual. Oz. 30c, pkt. 5c.

CALENDULA

Pot or Garden Marigold—Remarkably profuse blooming plants; their easy culture and continuous bloom make them valuable for beds and borders. Hardy annual.

Meteor — Double yellow flowers, striped with orange. Pkt. 5c.

Fine Mixed—Many colors. Pkt. 5c.

Hybrida Superba—The plants of these new hybrids grow about 15 inches high, and are covered the entire season with medium sized flowers, varying in color from pale yellow to orange-red and dark velvety brown. Pkt. 10c.

Coreopsis Lanceolata Grandiflora—One of the best hardy garden plants. The flowers are large, of a bright golden yellow, freely produced on long stems from June until frost; excellent for cutting; height 3 ft. Pkt. 5c.

CALCEOLARIA.

Plants of a highly decorative character, indispensable for ornamentation of the greenhouse and garden. *C. Hybrida* is grown for indoor decorations, while *C. Rugosa*, a shrubby variety, is sometimes grown for indoor and sometimes for outdoor decoration. Half-hardy perennial.

James' International Prize—Unequalled in size and brilliancy of color; 2 feet. Pkt. 25c.

Rugosa—Mixed; valuable for bedding; 1 foot. Pkt. 25c.

CAMPANULA.

Bellflowers—Beautiful free-flowering perennials, bearing a great profusion of attractive, bell-shaped flowers, thriving best in light, rich soil.

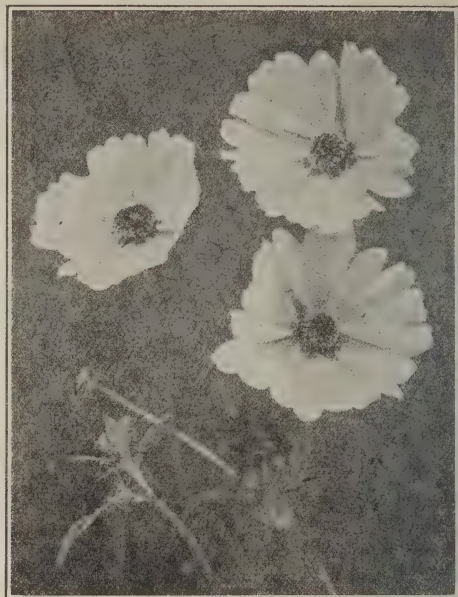
Pyramidalis—A grand sort, known as the Chimney Bell Flower. Hardy perennial. Finest mixed blue and white; 4 feet. Pkt. 5c.

Grandiflora—Chinese Bell Flower—Hardy perennial, with large broad, well-shaped white or blue flowers; very handsome; 2 feet. Mixed blue and white. Pkt. 5c.

Persicifolia—A handsome hardy perennial, with large cup-shaped flowers; prized alike for borders and as a pot plant for the greenhouse; 2 feet; blue and pure white, mixed. Pkt. 10c.

Double White, Moerheimi—New—A magnificent double white variety. Pkt. 20c.

Fragilis—A valuable traller, suitable for hanging baskets and rockeries; light blue; hardy perennial. Pkt. 10c.



Calliopsis.

CALLIOPSIS OR COREOPSIS.

This genus is one of the most striking of all annuals, the varieties being very effective in mixed borders, while the dwarf, from their compact habit, are well adapted for beds, the colors all being strikingly beautiful. Hardy annual.

Drummondii—Orange yellow. Pkt. 5c.

Nigra Speciosa—Rich crimson; 1 foot. Pkt. 5c.

Double—Flowers sem-double. Pkt. 5c.

Fine Mixed—All colors. Oz. 30c, pkt. 5c.



Calendula.



Canterbury Bells
offered on page 59.

CANDYTUFT

One of the most useful border plants; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decoration during the winter. Hardy annual.

Crimson, Carmine, Purple, each pkt. 5c.



Giant Empress Candytuft.

White Fragrant—

Flowers small, very sweetly scented. Oz. 25c, pkt. 5c.

Finest Mixed—All colors. Pkt. 5c, oz. 20c.

Empress Improved or Giant Hyacinth Flowered—A new variety of great beauty and most desirable for cut flower purposes. It is of very branching habit and when full grown and covered with its large trusses of pure white flowers presents a perfect pyramid of bloom throughout the summer. Pkt. 5c, oz. 40c

Dwarf Large-flowered Hybrids—A very dwarf and compact type not over 6 inches high, and very useful for edging borders, etc., the colors range through various shades of white, rose, purple and crimson.oz. 50c, pkt. 10c

CARNATION

Marguerite—Plants will begin to bloom in about four months from sowing the seed; the flowers are varied and beautiful in color, are deliciously fragrant and exceedingly useful for cutting; about 75 per cent. of seedlings produce double flowers. Pure white, pkt. 10c; choice mixed, pkt. 10c

Giant Marguerite—This improved strain produces much larger flowers; this, combined with great diversity and richness of color, makes it a most valuable acquisition. Finest mixedPkt. 10c

New Perpetual Riviera Market—The finest of all strains of Perpetual Carnations; seed produces about 80 per cent. of splendid double flowers, with a large percentage of yellow. Pkt. 25c.

Grenadin—An extra early and very hardy variety, with brilliant double scarlet flowers Pkt. 15c

Carnations and Picotees—Richly colored, sweet-scented hardy border perennials. Seed sown in June will produce flowering plants the following summer. The seed we offer is saved from a fine collection containing all classes and colors. Extra doublePkt. 20c

Grenadin—Pure white; extra fine . .Pkt. 20c | **Hardy—**Fine mixed, excellent for cutting. Pkt. 10c



Castor Oil Plant.

CANTERBURY BELLS

Campanula—Medium—Well known favorites, bearing large bell shaped flowers; well adapted for borders and pot culture. Half-hardy biennial. The seeds should be sown in June in well prepared, rich soil; transplant about the end of August 18 to 20 inches apart. Some evergreen branches or coarse litter thrown over them when the ground begins to freeze, will give the necessary protection during winter.

Single mixed, pkt. 5c Double mixed, pkt. 5c

Cup and Saucer (Calycanthema)—

BluePkt. 10 PinkPkt. 10

MixedPkt. 10 WhitePkt. 10

Superb Mixed—This special mixture includes single, double and Calycanthema varieties, in all colors. Pkt. 10c.

CANNA.

This genus, from its stately growth, combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants. Seed should be soaked for a few hours in hot water before sowing. The roots may be taken up and preserved like Dahlias. Half-hardy perennial.

Crozy's New Dwarf Hybrids—Splendid large flowering, with broad leaves; finest mixed. Pkt. 5c.

Dark Leaved Varieties—Finest mixed. Pkt. 5c.



Marguerite Carnation.

CASTOR OIL BEANS.

Ricinus—The picturesque foliage and stately growth, combined with the size of the giant varieties, impart to select plantations, shrubbery and mixed flower borders quite an oriental aspect. Half-hardy annual.

Zanzibariensis—A new Castor Oil plant, far exceeding in size the much admired older kinds. The foliage is of unusual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ feet in diameter; coloring varies from light green to dark coppery bronze and brownish purple. Oz. 20c, pkt. 5c.

Gibsoni (Duchess of Edinburgh)—Dark purple, stem and leaves; 5 feetoz. 20c, pkt. 5c

Cambodgensis—Fine dark red foliage; 5 feetoz. 20c, pkt. 5c

Sanguineus—Blood red stalks and reddish purple leaves;

8 feet.oz. 20c, pkt. 5c

Fine Mixed..oz. 15c, pkt. 5c

CERASTIUM—Snow in Summer.

Tomentosum—A pretty dwarf, white-leaved edging plant, bearing small white flowers. PerennialPkt. 10c



Corn Flower.

- Giant Mixed—All colors Pkt. 10c
 Yellow Sweet Sultan—Large, bright yellow flowers, useful for bouquets; 1½ feet Pkt. 5c
 Sweet Sultan—Mixed colors; 1½ feet Pkt. 5c

CORNFLOWER—Centaurea Cyanus.

A very hardy annual for borders. Flowers most suitable for bouquets; 2 feet.

Single Blue—Deep blue, splendid Pkt. 5c
 Double Blue—Identical in color to the popular Single Blue variety. A particularly desirable sort for cutting, the flowers being of good size and borne on very long stems. Pkt. 10c.

Double Mixed—Handsome double flowers of various colors oz. 50c, pkt. 5c

Single Mixed—All colors oz. 30c, pkt. 5c

CLEMATIS.

Beautiful hardy climbers, fine for arbors and verandahs. The seeds, which are slow to germinate, should be soaked in warm water before sowing; hardy perennials.

Paniculata—This is one of the best hardy climbers, the small, star-like, white, fragrant flowers being produced in dense masses Pkt. 10c

Mixed—Large flowering hybrids Pkt. 10c

CHELONE—BARBATA

Hybrid. An excellent hardy perennial, producing long spikes of flowers, ranging in color from light pink to deep red and violet; 2½ feet Pkt. 5c

CLARKIA.

Beautiful tribe of favorite plants, with pretty, cheerful looking flowers, growing freely and blooming profusely under almost any circumstances. Hardy annual.

Double Mixed—Many sorts: 2 feet Pkt. 5c Chinese Primrose—See Primula, page 65.

CENTAUREA

Splendid border plants; some, such as the Cornflowers, Sweet Sultans, etc., being prized for their handsome flowers; others for their ornamental and picturesque foliage.

White Leaved Varieties.

The silvery foliaged Centaureas are amongst the most beautiful and valuable bedding plants; should be started early in gentle heat. Half-hardy perennial.

Candidissima—Broad white foliage; 1 foot Pkt. 10c

Gymnocarpa—Narrow silver foliage; 1 foot Pkt. 5c

CENTAUREA IMPERIALIS, OR GIANT FLOWERED SWEET SULTANS.

These new hybrids are admirably adapted for cut flower use. The plants grow three feet in height, with numerous large flowers borne on long stems, in shades of color ranging through white, lilac, rose-pink, and purple. Individual flowers are also beautifully shaded, while the petals are finely fringed, giving a soft feathery effect; they are produced in great profusion.



Single Annual Chrysanthemum.

CHRYSANTHEMUMS

The annual or summer flowering Chrysanthemums are very effective border plants. They are of easy culture, growing rapidly and flowering freely the whole summer; the flowers of various colors are bright and attractive, and being borne on long stems, are generally prized for cutting.

Single annual varieties, many colors oz. 50c, pkt. 5c

Evening Star—New—Flowers golden yellow, and from 3 to 4 inches in diameter; it is of the easiest culture, and a cut flower of the first rank; height 18 inches Pkt. 10c

Northern Star—A charming new variety, with large, white flowers with dark centre, similar in habit and growth to preceding; a fine cut flower Pkt. 10c

Double annual varieties, white and yellow Pkt. 5c

Double Hybrids—Flowers are large and double, the colors being beautiful and diversified, the petals exquisitely fringed and pencilled Pkt. 10c

CHRYSANTHEMUM INODORUM—Bridal Robe.

Of compact and upright habit, and not exceeding 10 inches in height. The sturdy plants throw out their fine feathered foliage and deck themselves with a mantle of extra double pure white flowers, resembling large double Daisies. Pkt. 10c.



Chrysanthemum, Bridal Robe.

CHRYSANTHEMUMS—Continued.

PERENNIAL VARIETIES.

Shasta Daisy—The best of the large flowering Daisies. Pkt. 10c.

Maximum—King Edward—Forms a bushy, compact plant, 18 inches high, producing in great abundance large, pure white flowers, 3 to 4 inches across. It flowers the first season from spring-sown seed; perfectly hardyPkt. 10c

Frutescens (Marguerites or Paris Daisies)—Largely grown for cut flowers; elegant pot plants for winter bloom. .Pkt. 10c

Japonicum (Japanese varieties)—These are the double sorts, which attract so much attention at the autumn shows, and are so popular for greenhouse decoration and cut flowers. Finest mixedPkt. 25c

COCKSCOMB.

Celosia—Highly ornamental curious looking flowers for the greenhouse and garden. The following sorts have been saved from combs remarkable for their size, symmetry and color. Half-hardy annual.

Glasgow Prize—An extra fine dwarf variety, with immense crimson combsPkt. 20c

Dwarf Mixed—SplendidPkt. 10c

Thompson's Magnifica Improved Feathered—Pyramidal in growth, attaining a height of about 2 feet. Each stem is crowned with magnificent feathery plumes of the richest colors, ranging from the clearest yellow to the darkest blood-red; splendid plants for either pot or out-door planting. ¼ oz. 50c, pkt. 5c

CONVOLVULUS—See Morning Glory, page 69.

COLEUS.

Handsome foliage plants, remarkable for their great variety and brilliancy of colors; indispensable for bedding; easily grown from seed. Choice mixed; 2 feet. Pkt. 25c



CINERARIA.

A well-known greenhouse favorite; owing to the richness and diversity of its colors it is one of the most valuable of our early spring flowers; succeeds best in light, rich, free and open soil. Greenhouse perennial.

Bruce's Prize—The flowers possess extraordinary substance, and are of immense size under good cultivation. For exhibition purposes it is unsurpassedPkt. 25c

James' Giant—Plants of this superb English strain are remarkable for their dwarf growth, the immense size of their blooms and well defined brilliant and delicate colors. Pkt. 50c

Stellata (Star-flowered Cineraria)—A beautiful variety, with large spreading panicles of starry flowers of various colors, the grace and elegance of the plants and flowers make them most effective for house decoration.Pkt. 25c.

CINERARIA MARITIMA.

(Dusty Miller). White foliage, very ornamental. Half-hardy perennial.

Maritima Candidissima—An extra fine variety . . . Pkt. 5c.



Shasta Daisy.



Cockscomb.

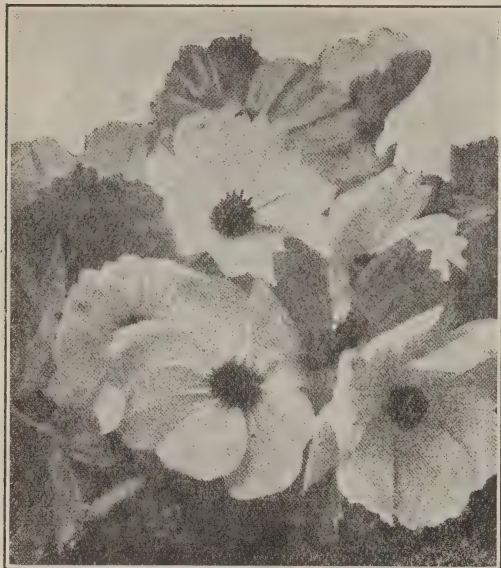


Cobaea Scandens

COBAEA.

Scandens—A beautiful climber, with large, bell-shaped flowers and elegant leaves and tendrils. It is of very rapid growth, and consequently eminently adapted during the summer for warm situations out of doors; in sowing place the seeds edgways and cover slightly. Half-hardy annual.

Purple ¼ oz. 30c, pkt. 10c
White Pkt. 10c



Cosmos.

COWSLIP.

An early spring blooming border plant. Treatment about the same as for Pansies. Perennial. Pkt. 5c.

CUCUMBER, ORNAMENTAL.

An interesting tribe of plants, remarkable for their luxuriance and rapidity of growth, which, if the soil is rich, is marvelous. Annual.

Wild Cucumber—(*Echinocystis Lobato*)—One of the quickest climbers known. It will grow 30 feet in one season, has dense, graceful foliage, which is thickly dotted with pretty, white, fragrant flowers. The seed should be soaked in water for at least 24 hours before planting. Once planted this vine seeds itself and comes up every year. Oz. 25c, pkt. 5c.

CYPRESS VINE.

Ipomea Quamoclit—A most beautiful climbing plant, with very delicate, fern-like foliage. Half-hardy annual; 10 feet. Scarlet .. Pkt. 5c. Finest Mixed. Oz. 50c, Pkt. 5c

CYPERUS ALTERNIFOLIUS.

Umbrella Plant—Handsome, half-hardy perennial; the long, slender stems being surmounted by plumes of narrow, green, shining leaves; succeeds best in moist situations; valuable for aquariums; easily raised from seed. Pkt. 10c.



Datura.

CORDYLINE (*Dracæna*).

Beautiful decorative foliage plants.

Indivisa Lineata—Very graceful, narrow foliage. Pkt. 10c.

CORN FLOWER—See *Centaurea*, page 60.

COSMOS.

New Double Cosmos—See Novelties, page 52.

Mammoth Perfection—This new selection will be found a decided improvement on the old variety, the flowers being so much larger, usually 4 to 5 inches across. It is a strong and vigorous grower, and produces its beautiful single Dahlia-like flowers with the greatest freedom. Seed should be sown early, and the plants, which grow 4 to 5 feet high, set out 2 to 3 feet apart. Half-hardy annual. Mammoth Mixed. .oz, 40c, pkt. 5c.

Lady Lenox White—This beautiful new White Cosmos is a perfect duplicate, except in color, of the pink Lady Lenox. Pkt. 10c.

Lady Lenox—Pink—Flowers of extraordinary size and beauty, color being charming shade of light pink. Pkt. 10c.

New Early Flowering—This variety comes into bloom in July, and continues to flower until cut down by frost. The flowers are white, pink and crimson, all colors mixed; 4½ feet high. Pkt. 10c



Giant Flowering Cyclamen.

CYCLAMEN.

A genus of the most beautiful and elegant winter and spring blooming plants for pot culture; if sown early in spring under glass and well grown, will make flowering bulbs in one year. The seed we offer is from the finest strains.

Giganteum—This section is remarkable for the immense size and magnificent colorings of the flowers.

Giant White, Giant Rose, Giant Crimson and Giant Salmon—

Each Pkt. 25c

Giant Mixed Pkt. 25c

New Butterfly (*Persicum Papilio*)—The flowers of this magnificent new strain are of the largest size. The edges of the broad petals are frilled, fringed and curled, and the colors range from purest white through delicate pink to rose and crimson Pkt. 25c

DATURA.

Trumpet Flower—A tribe of highly ornamental plants with large trumpet shaped flowers; 3 feet. Annual.

Double Varieties—Finest mixed. Pkt. 5c

DAHLIA.

The Dahlia is one of the most popular autumn flowering plants. Although perennials, these flower the same season from seed if sown in the house in February or March; the single sorts will bloom from seed sown in the open ground as late as June. The roots should be placed in dry sand and kept in cellar where there is no frost during winter.

Double Large Flowered—Choice mixed Pkt. 10c
Double Pompon or Bouquet Varieties—Finest mixed Pkt. 10c
Cactus Flowered Double—Finest mixed hybrids Pkt. 10c
Single—Finest mixed; very showy Pkt. 5c

Dormant Tubers—Finest named varieties.
 Each 20c, dozen \$2.00 here.

Dormant Tubers—Mixed varieties. Each
 10c, dozen \$1.00 here.



Double Dahlia.

DOLICHOS.

Hyacinth Bean—A beautiful class of quick growing, ornamental climbers, bearing clusters of white and purple bean-shaped blossoms. Seed pods are quite ornamental. Annual; 12 feet; mixed oz. 20c, pkt. 5c.

Purple Soudan—A highly decorative climber. The stems are of intense purple color, and the beautiful long flowers that are produced during the whole summer are of a brilliant rose, contrasting strikingly with the dark foliage. The seed pods are themselves an ornament to the plant, owing to their dark red color. For covering walls, trellises, etc., they are invaluable. Oz. 30c, pkt. 5c

DICTAMNUS (Gas Plant)

Favorite old-fashioned border plants, cultivated for their showy flowers and fragrant foliage. Hardy perennial; 2 feet.

Fraxinella—Rose purple Pkt. 5c

DOUBLE DAISY.

Bellis Perennis—A well known and favorite plant for the border or pot culture. Half-hardy perennial.

Snowball—Extra large, very double; pure white flowers Pkt. 10c

Longfellow—Double dark rose Pkt. 10c

Choicest Mixed Pkt. 10c

Giant White—The flowers of this new strain are enormous, of the purest white, and very double, borne on long, stiff stems. This is the best double white Daisy yet introduced Pkt. 15c

Giant Quilled Red—Extra large and very double. Pkt. 15c

Giant Rose Pkt. 15c

Giant Mixed—Mammoth double flowers, pure white to pink and deep red Pkt. 15c

DELPHINIUM—Perennial Larkspur.

One of the finest of hardy garden plants, flowering in great profusion throughout the early summer, of strong vigorous habit, the immense spikes of large flowers range through every shade of blue, from azure to indigo.

Belladonna—This charming variety is the freest and most continuous blooming of the hardy Larkspurs. The plants grow from three to five feet high, the large flowers borne on graceful spikes, being most attractive for decorative work. The colors range from lightest lavender to deepest blue. Seed sown in early spring will produce plants that will bloom through the late summer. . Pkt. 15c

Superb New Hybrids—An English strain, containing many of the finest and newest varieties. Pkt. 10c

Formosum—Deep Gentian blue, with white eye, 3 feet. Pkt. 10c

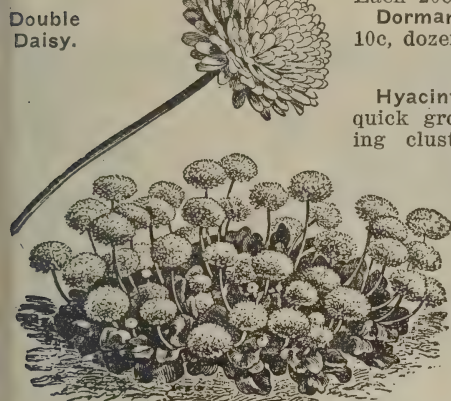
Formosum Coelestinum—(Pillar of Beauty)—Large light blue flowers, fine contrast to preceding Pkt. 10c

Nudicaule—Scarlet, dwarf habit; 1 ft. Pkt. 10c

Zalil—Sulphur yellow plant of branching habit; it requires a shady situation; 3 feet Pkt. 20c

Finest Single Mixed Hybrids Pkt. 5c

Finest Double Mixed Hybrids Pkt. 10c



Double Daisy.



Delphinium Belladonna.

DIANTHUS—PINKS

These handsome single and double Pinks are deservedly popular. The flowers, which are large, embrace all colors, from white to deep crimson, while most of them are beautifully variegated. The plants bloom the entire summer and fall, and also the second season if slightly protected.

Single Mixed—Bruce's Selected—A splendid mixture of rich and brilliant colors; flowers large and handsome, many are brilliantly fringed. Excellent for cutting. oz. \$1.50, pkt. 5c

Princess Pinks—A charming variety, with medium sized fringed flowers, which are mottled, flaked, spotted and striped Pkt. 10c

DOUBLE ANNUAL VARIETIES.

Imperial—Flowers of blood-red ground color, irregularly striped and splashed with white and pink; a charming variety Pkt. 5c

Fire King—Rich, rosy crimson, very fine color Pkt. 10

Mourning—The flowers are large, colors unique, rich purple, maroon, etc., edged with white. Pkt. 5c

Diadem—Many colors, beautifully striped and laced Pkt. 5c

Finest Double Mixed—Consisting of the best double varieties, all colors . . . oz. \$1.50, pkt. 10c

Mixed—China or India Pink . oz. 50c, pkt. 5c

HARDY PERENNIAL SORTS.

Double Pheasant's Eye—Double, large flowering, sweet scented hardy pink, flowers finely fringed, of various colors, finest mixed Pkt. 10c

"Cyclop" Pinks—The predominating colors are rose, pink, copper color, salmon and crimson, clove like perfume. The blossoms are smooth-edged, round and fully 6 inches in circumference. Mixed colors Pkt. 10c

Paisley or Florists' Pink—Finely fringed double flowers; strong clove fragrance; especially desirable for cut flowers Pkt. 25c

French Perpetual Flowering—A new large flowered strain of semi-double and double flowers of bright colors, with broad petals, deliciously scented Pkt. 15c

DIMORPHOTHECA AURANTIACA

(Golden African Marguerite).

An extremely showy annual from South Africa. The plants grow 12 to 15 inches high. Its Marguerite-like blossoms, $2\frac{1}{2}$ to $2\frac{3}{4}$ inches in diameter, show a unique, glossy, rich, orange gold, surrounding a dark disc and zone. This splendid annual produces its pretty flowers very early after being planted out in the open ground in sunny situations, and will continue to flower during the summer months. Pkt. 10c.

Aurantiaca hybrida—These new hybrids vary in color from white to red and tints of sulphur, lemon and yellow salmon shades, very pretty. Pkt. 15c.

EUPHORBIA.

Variegata (Snow on the Mountain)—Attractive foliage, veined and margined with white, hardy annual; 2 feet Pkt. 5c

Heterophylla (Annual Poinsettia, Mexican Fire Plant.)—The plants grow 2 to 3 feet high, of branching, bush-like form, with smooth, glossy-green leaves, which about mid-summer become a beautiful orange-scarlet, presenting a striking and brilliant appearance. Hardy annual Pkt. 10c

EVERLASTING PEA.

Lathyrus—Showy, free flowering plants, very ornamental on trellis work, old stumps, or for covering fences or walls; height 5 feet. Hardy perennial.

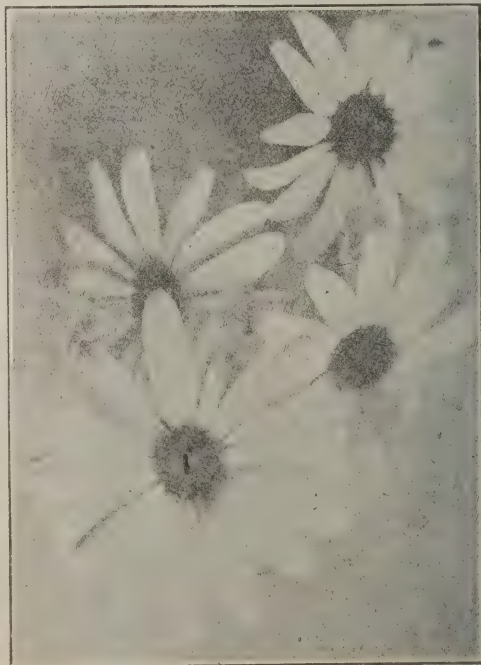
Scarlet, White and Pink, each Pkt. 5c

Fine Mixed Oz. 50c, pkt. 5c

FEVERFEW—See Matricaria, page 69.



Double Dianthus (Pinks)



Dimorphotheca (Golden African Marguerite).



Eschscholtzia.



Foxglove.

Monstrosa (Mammoth Foxglove)—Long spikes, surmounted by one enormous flower; very odd; all colors mixed Pkt. 10c

FUCHSIA.

Well known greenhouse plants. The seed we offer has been selected and saved from the finest named varieties. Greenhouse shrubs.

Double and Single—Splendid mixed Pkt. 25c

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; very effective and showy. Half-hardy annual.

Single Mixed—Flowers yellow and scarlet; very showy, in finest mixture oz. 30c, Pkt. 5c

Lorenziana—Double mixed, large heads of bright yellow and red flowers, very double, with quilled petals, fine for bouquets Pkt. 5c

Lorenziana, The Bride—This new double creamy-white sort is particularly desirable for cutting, flowers of good size, borne on long stems Pkt. 10c

Gaillardia Grandiflora.

Grandiflora—Hardy perennial—The flowers are large, from 2½ to 3 inches in diameter, produced on long stems; they are excellent for cutting, and of the most gorgeous coloring Pkt. 5c

ESCHSCHOLTZIA.

California Poppies—An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors, very attractive. Hardy annuals.

Californica—Bright yellow; showy; 1 foot Pkt. 5c

Rose Cardinal—Beautiful carmine rose Pkt. 5c

Mandarin—Bright orange, shaded crimson Pkt. 5c

Golden West—Flowers large, bright yellow, with large rayed blotch of deep orange at base of petals. Pkt. 5c

New Crimson—Flowers of a clear rosy crimson very pretty Pkt. 10c

Fine Mixed—All colors oz. 30c, Pkt. 5c

Double Varieties—White and yellow mixed Pkt. 5c

FORGET-ME-NOT.

Myosotis—The Forget-Me-Nots bloom the first year if sown early; succeed best in a shady, moist situation; perennials, are hardy if given some protection through winter.

Victoria—Of dwarf, compact habit, azure-blue flowers, with yellow centre; height 6 inches Pkt. 10c

Victoria Rose—Rose-pink, very pretty Pkt. 10c

Dissitiflora—A large flowered variety, with exquisite deep blue flowers; of compact habit and profuse bloomer; 6 to 9 inches Pkt. 10c

Palustris Semperflorans—Large, bright blue flowers, with yellow eye; blooms early spring to autumn; 9 inches Pkt. 10c

Robusta Grandiflora—Large flowering and robust growing variety, grown extensively for cut flowers; 1 foot Pkt. 5c

Finest Mixed Varieties ¼ oz. 40c, Pkt. 5c

FREEZIA.

The flowers are pure white, blotched with yellow on the lower petals, which have a delicate musk perfume. The seeds produce a bulb, which plant in October in light soil; give plenty of light and sun. When done flowering, put away the bulb in a dry place until next planting Pkt. 5c

FOXGLOVE.

Digitalis—Handsome and ornamental plants of stately growth and varied colors; 3 feet. Hardy perennial.

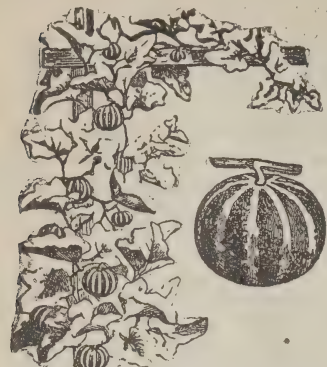
Fine Mixed—Gloxinia-shaped flowers; all colors. ¼ oz. 25c, pkt. 5c.



Forget-Me-Not.



Gaillardia Grandiflora.



Ornamental Gourd.

Ornamental Gourds—The tribe of Cucurbita, or Gourds, is well known as producing some of the most curiously shaped of all fruits, and are very desirable for covering the trellis work of arbors, etc. Half-hardy annual.

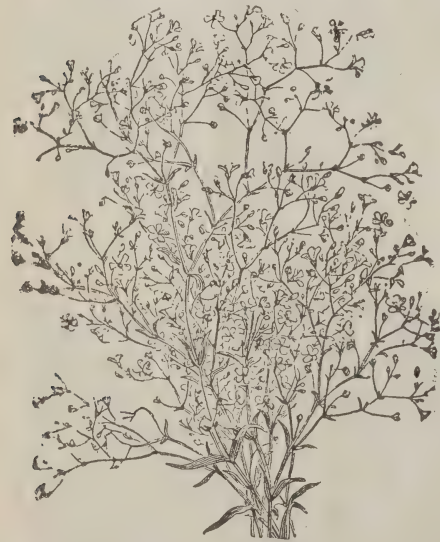
- Egg Shaped—White nest egg Pkt. 5c
- Mock Orange Pkt. 5c
- Dish Cloth—A very popular variety. Pkt. 5c
- Mixed, Many Sorts oz. 25c, Pkt. 5c

GREVILLEA.

Robusta (Silk Oak)—A very graceful fern-like foliage plant for pots or tropical lawn effects; tender perennial; 3 to 5 feet Pkt. 10c

GLOXINIA.

A superb genus of summer blooming plants of great beauty and diversity of color. Sow the seed under glass in early spring and place in a warm, moist and shaded situation; transplant seedlings as soon as fit. Gloxinias thrive best in a sandy peat or loam. When in flower keep partly shaded from the bright sunshine. The bulbs should be kept dry and from frost during winter. Green-house plant, splendid mixed varieties, all colors Pkt. 25c



Gypsophila Paniculata.

GYPSOPHILA.

Paniculata—A handsome hardy perennial with gracefully branched panicles of small white flowers, which are highly prized for bouquets. Height 2 feet Pkt. 5c

Paniculata fl. pl.—The new double flowering "Baby's Breath," and one of the finest hardy plants either for cutting or hardy border Pkt. 20c

Elegans Alba Grandiflora—This is an improved, large flowering pure white form of the annual Baby's Breath, of free, easy growth, and grown by the acre in the suburbs of Paris and London for use with other cut flowers. Several sowings should be made during the season to keep up a supply. Annual oz. 30c, pkt. 5c

HIBISCUS. MARSHMALLOW.

Very ornamental and showy plants, well adapted for mixed or shrubby borders.

Africanus—Color cream, brown centre; 1½ feet. Hardy annual Pkt. 5c

"Crimson Eye"—Flowers of immense size, of the purest white, with a large spot of deep velvety crimson in the centre; height 4 feet. Hardy perennial. Pkt. 10c

Mallow Marvels—See Novelties, page 51.

HONEYSUCKLE.

Hedysarum—Very hardy plants, producing racemes of attractive, pea-formed flowers, in two colors, scarlet and white. Perennial Pkt. 5c

HEUCHERA.

Without doubt one of the finest perennials. The plants are of fine, compact habit, with elegant deep green foliage. The flowers are borne on elegant spikes, and can be used with fine effect in cut-flower decorations. It is easily raised from seed, perfectly hardy, and should be in every garden; 18 inches.

Sanguinea—Rich, bright crimson Pkt. 10c

HELIOTROPE.

A well known genus, of profuse flowering and deliciously fragrant plants. Half-hardy perennial.

Fine Mixed Varieties Pkt. 10c

Regal—A new dwarf, giant-flowered variety, with very fine flowers and of dwarf, compact growth; all shades Pkt. 20c

HONESTY.

Lunaria Biennis—A handsome hardy biennial, with purple or white flowers, followed by numerous silvery seed pods, much prized for winter decoration; 2 feet Pkt. 5c

HUNNEMANIA.

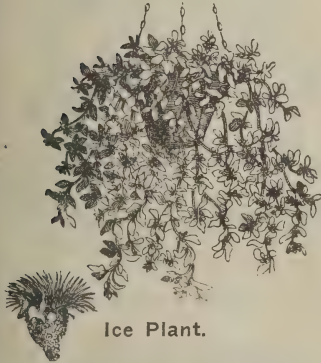
The so-called Bush Eschscholtzia. The plants grow into a shrubby bush, 2 feet high, and produce large, cup-shaped flowers 3 inches across, on long stems. The color is a clear, bright yellow, the petals are broad and crinkled like crushed satin, and as cut flowers remain in perfection for a long periodPkt. 5c



Double Hollyhock.

ICE PLANT.

A dwarf trailing plant, much used for garnishing. The leaves and stems are covered with crystalline globules, giving it the appearance of being coated with ice. Half-hardy annual . . Pkt. 5c



Ice Plant.

IMPATIENS (ZANZIBAR BALSAM)

Sultani Hybrida—A charming pot plant, blooming profusely and almost continuously. The flowers range in color from pale rose to crimson. Height 2 feetPkt. 25c

INCARVILLEA DELEVAYI.

The flowers, which resemble a Gloxinia in shape, are produced on stout stalks, about 2 feet high, and are of a rosy-carmine color, spotted with yellow; the throat is brown. It is of easy culture, and will bloom during the first year if the seed is sown in a cold frame, very early in the spring. Should be well protected with leaves during the winter, or the roots lifted and stored in dry sand in a cellarPkt. 15c

JACOB A.

Senecio—Free flowering plants, producing their gay colored flowers in great profusion; very effective for beds. Hardy annual. Fine mixed, all colorsPkt. 5c

HUMULUS JAPONICUS.

Climbing Hop—A plant of very rapid growth, beautiful when planted isolated and properly supported, also valuable for trellises, etc. Annual.Oz. 50c, pkt. 5c

Variegatis—The foliage of this variety is distinctly marked with silvery-white, yellowish-white, light and dark greenPkt. 5c

HOLLYHOCKS

A splendid plant for autumn decoration, and from its stately growth and varied colors of the magnificent spikes of flowers, may justly demand a place in every large garden or pleasure grounds. Hardy perennial.

Double Varieties.

WhitePkt. 10	Crimson.Pkt. 10
Pink.Pkt. 10	Rose.Pkt. 10
YellowPkt. 10	PurplePkt. 10

Collection of a packet of each of above 6 colors, 50 cents.

Splendid Double Mixed . . . ¼ oz. 75c, pkt. 10c

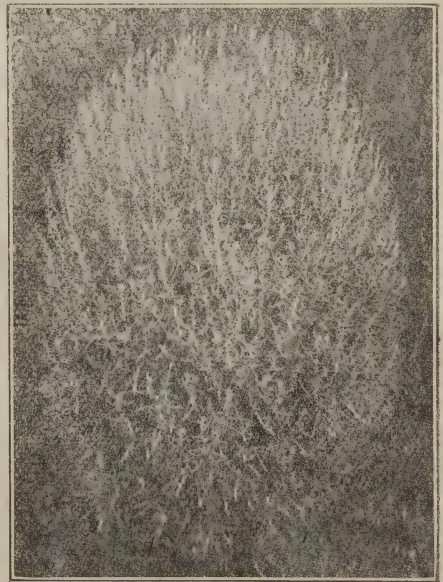
Fine Double Mixed ¼ oz. 50c, pkt. 5c

Finest Single MixedPkt. 5c

Alleghany—The flowers are of mammoth size, gracefully formed of loosely arranged fringed petals, which look as though made from the finest China silk. The colors range from the most delicate shell pink to dark red. Mixed colors. Pkt. 10c

Annual Varieties.

Seed sown under glass early in spring produces plants that bloom the same summer. Plants are more vigorous at all stages than the usual type. The flowers are of good size, double, semi-double and single, and colors cover the whole range; mixed colorsPkt. 10c



Kochia (Summer Cypress).

KOCHIA OR SUMMER CYPRESS

The plants grow freely from seed sown in the open ground, and from the earliest stage of growth in the spring until they reach maturity the plants are always of globe-like form. Early in the fall the ends of the shoots are thickly set with small, bright scarlet flowers—the bushy plants resembling balls of fire. The plants are equally showy, planted singly to show the round ball-like form on all sides, or grown in continuous rows or hedges. Annualoz. 40c, pkt. 5c

KENILWORTH IVY.

Linaria Cymbalaria—Splendid plant for hanging baskets, rustic work, etc. Hardy perennial. Pkt 10c
KUDZU VINE.

See *Pueraria Thunbergiana*, page 75.



Lantana.



Linum.

LANTANA.

A very desirable class of plants for indoor pot culture and summer bedding, constantly in bloom; verbena-like heads of orange, white and rose. Half-hardy perennial. The seeds should be sown in hot-bed or in boxes of light soil in warm, sunny window in March or April. Finest mixed Pkt. 5c

LINUM.

Flowering Flax—One of the brightest colored of summer annuals; the flowers are glowing crimson-rose; 1 foot. Pkt. 5c
Perenne—A bright blue, hardy perennial variety; 1 foot. Pkt. 5c

LARKSPUR.

Popular hardy annuals, possessing almost every requisite for the adornment of the garden. Profuse bloomers and great variety of brilliant colors.

Dwarf Rocket—Hyacinth flowered, finest mixed; 1 foot. oz. 40c, pkt. 5c

Giant—Hyacinth flowered, finest mixed; 2 feet. Oz. 40c Pkt. 5c

Tall Branching—Stock flowered, finest mixed; 1 foot. oz. 40c, pkt. 5c

For Hardy Perennial Larkspurs or Delphinium, see page 63.

LAVATERA—Tree Mallow.

A very beautiful showy annual, about 2 feet high, covered during the entire summer with large cup-shaped flowers. Sow in May where they are to flower, and thin out to 12 inches apart.

Trimestris—Mixed pink and white. Pkt. 5c

LOPHOSPERMUM SCANDENS.

A very beautiful and ornamental climber, with handsome, showy, Foxglove-like flowers; very effective for conservatory or garden decorations; rose-purple flowers, 10 feet. Half-hardy perennial Pkt. 10c

LYCHNIS.

Very free flowering herbaceous plant. Hardy perennial.

Chalcedonica—Bright scarlet; 2 feet Pkt. 5c

Haageana—Hybrid mixed; 1 foot Pkt. 5c

MARIGOLD

A tribe of well-known free-flowering plants, with handsome double flowers of rich and beautiful colors; very effective in beds, borders, etc. Half-hardy annual.

DOUBLE AFRICAN MARIGOLD.

Collection of six finest double varieties 50c

Orange and Lemon—Quilled varieties, each Pkt. 5c

Tall Double—Finest mixed Oz. 40c, Pkt. 5c

DOUBLE FRENCH MARIGOLD.

Collection of six finest varieties 40c

Dwarf—Finest mixed; ½ foot Oz. 40c, Pkt. 5c

Tall Double—Finest mixed Oz. 40c, Pkt. 5c

LOBELIA.

A very valuable and beautiful class of mostly dwarf growing plants, their delicate drooping habit and the profusion of their charming little blue and white flowers render them exceedingly ornamental for rustic hanging baskets, while for border cultivation they are equally effective. Half-hardy annual.

Compacta Crystal Palace—Dark blue, excellent for edging Pkt. 10c

Erinus Alba Compacta—Pure white Pkt. 10c

Speciosa—Blue, fine for bedding; ½ ft. Pkt. 5c

Gracilis—Pale blue, fine for bases Pkt. 5c

Prima Donna—Rich crimson, dwarf, compact; handsome Pkt. 10c

Cardinalis. Queen Victoria—Very dark leaves and beautiful flowers of brilliant scarlet, quite constant, splendid acquisition. Perennial. Pkt. 20c

LUPINS.

Free flowering easily grown annuals, with long graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders and beds; 2 feet.

Annual varieties, mixed oz. 20c, pkt. 5c

Perennial Varieties..

Arboreus, Snow Queen—This hardy variety forms dense bushes about 4 feet high, clothed to the ground with elegant racemes of snowy white flowers Pkt. 10c

Polyphyllus Roseus—Beautiful rosy-pink. Pkt 10c

Perennial Varieties, mixed; 3 feet Pkt. 5c



Annual Larkspur.



Double French Marigold.

Marigold—Continued.

SINGLE FRENCH MARIGOLD.

Gold Ring—This really charming variety is of dark brown, velvety color, gracefully surmounted with a distinct gold ring; 9 ins..Pkt. 5c
Legion of Honor—Flowers bright yellow, distinctly blotched rich brown. The plants are dwarf and compact, and remain in bloom a long time; height 9 inchesPkt. 5c
Pot or Garden Marigold—See *Calendula*, page 59.

MATRICARIA.

Double Feverfew—Pure white double flowers; a desirable bedding plant, and largely used for cemetery decoration. Hardy annual.Pkt. 5c
MAURANDIA.

Beautiful climbers for greenhouse or outdoor cultivation.

Barclayana—Deep violetPkt. 10c

MATHIOLA.

Bicornis—(Night Scented Stock)—For the exquisite perfume profusely exhaled in the evening, this hardy annual should be grown in every garden. Flowers lilac. Height 1 footPkt. 5c



Marvel of Peru.

MARVEL OF PERU

Mirabilis Jalapa—The flowers are varied and of beautiful colors, and are produced in great abundance. The roots may be preserved throughout the winter like Dahlias. Half-hardy annual. Finest mixed; 2 feet oz. 20c, pkt. 5c

MARTYNIA.

Very handsome, free flowering plants, with large flowers of great beauty. The young fruit or seed pods are highly esteemed for pickling. Half-hardy annual; 2 feetPkt. 5c

MIMULUS.

Extremely handsome flowers of brilliant colors. Seeds sown in spring make fine bedding plants for summer blooming, while seeds sown in autumn produce very effective early flowering, greenhouse plants. Half-hardy annual.

Moschatus—Musk plant; ½ footPkt. 10c

Tigrinus—Tigered and spotted varietiesPkt. 10c



Mimulus Tigrinus.

MALOPE.

A handsome plant of branching habit, with large, showy flowers. Hardy annualPkt. 5c

MIGNONETTE

Within recent years Mignonette has been greatly improved in size, and several distinct tints have been selected. These have been saved with such care that an agreeable variety of this fine old favorite is now available for the garden or pot culture. The following are hardy annuals:

White Pearl—New—White flowered, of the popular Machet type, of stocky and robust growth, producing in abundance broad, conical heads of deliciously fragrant white flowersPkt. 10c

Machet—A dwarf and compact growing variety, with large flowers of a deep reddish crimson; the most popular variety for pot culturePkt. 10c

Golden Queen—Large flowered, a handsome dwarf variety; flowers golden yellow; a free bloomer . . .Pkt. 10c

Crimson Queen—Robust in habit, with very large spikes of handsome red flowersPkt. 10c

Rubin—Very bright copper scarlet, the darkest color of any Mignonette, rich green foliage, dwarf and compact; a most useful and desirable varietyPkt. 10c

Defiance—Spikes of remarkable size and deliciously fragrant; the individual florets are very large, standing out boldly; its keeping qualities are extraordinary.Pkt. 10c

Myles Hybrid Spiral—Habit dwarf and branching, flowers large. The odor of this variety is superior to any otherOz. 50c, pkt. 5c

Sweet Scented—The old and popular variety, with small spikes, but very sweetly scented, should be in every garden.Oz. 20c, pkt. 5c



Machet Mignonette.

MOON FLOWER

Ipomea Grandiflora Alba—One of the finest of all annual climbers. It bears lovely white flowers 5 to 6 inches in diameter, with a five pointed star in the centre; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. Start the seed in the house and set out as early as safe in the spring. .Pkt. 5c

Rubra Coerulea (Sky Blue)—Immense flowers of light sky blue; very beautifulPkt. 10c

MORNING GLORIES

Old and well known favorites. The beauty and delicacy of their colors are unsurpassed; and they grow freely in almost any situation. Hardy annual.

New Double White—See Novelties, page 51.

Morning Glory — (*Convolvulus Major*)—This popular climber is too well known to need a description, 10 ft., all colors mixed. Oz. 15c, pkt. 5c

Dwarf Morning Glory— (*Convolvulus Minor*)—The flowers are of the same size and shape as the tall or climbing Morning Glory. The colors are most varied and pleasing; 1 ft. Oz. 15c, pkt. 5c

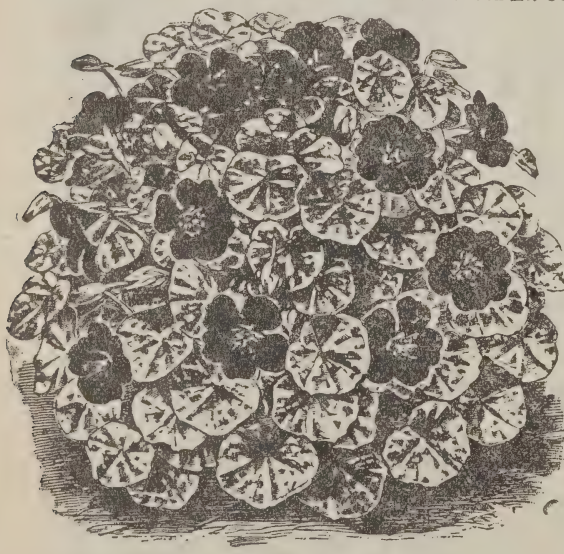
Mauritanicus — Charming for baskets, rock works, etc.; flowers lavender. Perennial. .Pkt. 5c

IMPERIAL JAPANESE MORNING GLORY.

The handsomest of a handsome family, of the easiest culture, and of a strong and rapid growth; the foliage is of varied forms and the markings fantastic. The flowers are very large, of good substance, remaining open most of the day, and the colorings are beyond description. Oz. 30cPkt. 5c

MUSA ENSETE.

Abyssinia Banana Tree—Magnificent for sub-tropical massing, or as single specimens they are very effective. Seed sown early will produce immense plants the first season. Tender perennialPkt. 5c



Queen of Tom Thumb Nasturtiums.



Japanese Morning Glory.

NASTURTIIUMS

Nasturtiums are probably the most popular flowers grown from seed.

Dwarf or Tom Thumb Varieties

A charming class; unrivalled in beauty and effect; blooming from June until late in the fall; they require little care, and will flower profusely on the poorest soil. Hardy annual.

Aurora—Primrose, veined pinkPkt. 5c

Queen of Tom Thumbs—Dwarf, dense bushes, with variegated white and green foliage, and flowers in a large variety of colors . . .Pkt. 10c

Chameleon—Variously colored flowers on the same plantPkt. 5c

Empress of India—The flowers are of a brilliant crimsonPkt. 5c

Golden King—Golden yellow, dark foliage; Pkt.5c

King of Tom Thumbs—Foliage is a beautiful blue green, with intense scarlet flowers. Pkt. 5c

King Theodore—Blue green foliage, flowers dark maroonPkt. 5c

Lady Bird—Rich golden yellow, barred with ruby crimsonPkt. 5c

Pearl—Cream whitePkt. 5c

Prince Henry—Light yellow, spotted and marbled with scarletPkt. 5c

Vesuvius—Salmon rose, dark leaved .Pkt. 5c

Yellow—Ochre yellowPkt. 5c

Ruby King—Ruby red, dark leaved, fine. Pkt. 5c

Rudolph Virchow—Wine-red, fine . . .Pkt. 5c

The above named varieties priced at 5c pkt. are offered at 25c oz., ¼ lb. 65c each.

Tom Thumb—Fine mixed, all colors, ¼ lb. 45c, oz. 15c, pkt. 5c.

Liliput or Miniature—Plants of this variety are in every respect smaller than the Tom Thumb, and the dainty little flowers, which appear in the most various and showy colors, are produced in the greatest profusionoz. 25c, pkt. 5c

Bruce's Peerless Collection of Dwarf Nasturtiums

Six superb varieties mailed for 25 cents.
See Collections, page 47.



NASTURTIIUMS

Tall or Climbing Varieties

Climbing Nasturtiums are admirably adapted for covering trellises, fences, tree trunks and the like. The flowers cut, are very useful and handsome for house decoration. The seed, if picked young, is an excellent substitute for capers. Annual.

Stark's New Hybrids (Queen of Talls)—The foliage is beautifully marked white, gold and green. The flowers are of many bright colors in charming contrast to the variegated foliage. Pkt 10c

Asa Gray—Creamy-white, extra fine... Pkt. 5c

Black Prince—Rich, blackish-purple... Pkt. 5c

Crimson—Rich, dark color... Pkt. 5c

Tall Chameleon—This interesting variety bears large flowers of various colors and variegations on the same plant... Pkt. 5c

Edward Otto—Brownish lilac... Pkt. 5c

Fashion—Light crimson-rose... Pkt. 5c

Firefly—Dark orange, spotted and flamed blood red, the spur is also blood red; foliage and stems dark... Pkt. 5c

Lucifer—Bright, glowing scarlet, extra. Pkt. 5c

King Theodore—Black brown... Pkt. 5c

Marguerite—Flowers large, pale yellow, spotted and flamed blood red, spur blood red; foliage and stems dark; very attractive... Pkt. 5c

Moonlight—This is a counterpart of Sunlight, except in color, which is an exquisite pale straw... Pkt. 5c

Oriental—Orange, brightly marked with pink and scarlet; very handsome... Pkt. 5c

Primrose—Creamy-white, with brown spots, large flowered. A charming variety... Pkt. 5c

Scarlet—Very attractive... Pkt. 5c

Rudolph Virchow—Fine carmine-rose... Pkt. 5c

Spitfire—Bright scarlet... Pkt. 5c

Sunlight (Jupiter)—Rich golden yellow. Pkt. 5c

Vesuvius—Dark leaved; flowers salmon rose, a charming color... Pkt. 5c

Von Moltke—Ruby rose... Pkt. 5c

Any of above priced at 5c pkt., for 20c per oz. **Fine Mixed**—All colors, ¼ lb. 30c, oz. 10c, pkt 5c

Tall Ivy Leaved—The leaves are of a dark, metallic hue, resembling the Ivy, and are in striking contrast with the crimson scarlet flowers... oz. 35c, pkt. 10c

TALL NASTURTIIUMS—Continued.

Madame Gunter—Hybrids—This selection is distinguished by its dark foliage and richness of color. There are shades of rose, salmon, bright red, pale yellow, etc. Its free and continued flowering makes it a useful and popular climber. All colors, mixed... oz. 20c, pkt. 5c

Lobbianum—The leaves and flowers are somewhat smaller than the ordinary Tall Nasturtiums; the flowers, however, are produced in great profusion and intense brilliancy of colors. Mixed colors... oz. 20c, pkt. 5c

Bruce's Peerless Collection of Tall or Climbing Nasturtiums

Six finest varieties mailed for 25 cents.

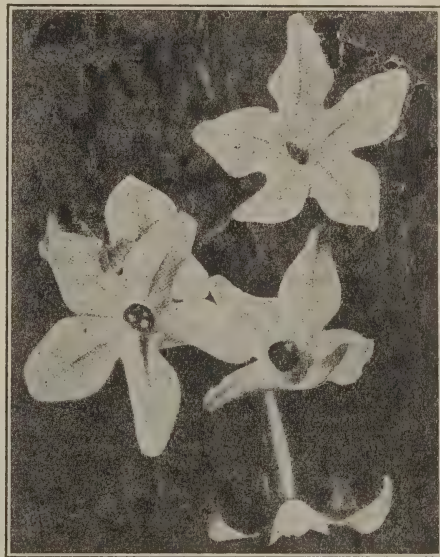
See Collections, page 47.

NEMOPHILA.

Dwarf growing hardy annuals; all varieties have a neat, compact and uniform growth, comprising varied and beautiful colors.

Insignis—Deep blue; ¾ foot... Pkt. 5c

Choice Mixed—Many sorts... Pkt. 5c



Nicotiana Affinis.

NICOTIANA.

Ornamental Tobacco—Half-hardy annual.

Affinis—Sweet-scented, pure white, star-shaped flowers, three inches across, blooming continually in the greenhouse in winter or when bedded out in summer... ¼ oz. 25c, pkt. 5c

Affinis Hybrids—Easily grown from seed; they thrive in any soil or situation. The plants grow from 2 to 3 feet in height, branch freely, and bear a profusion of flowers in various shades of purple, pink, red, crimson, violet, as well as pure white... Pkt. 10c

OXALIS.

Beautiful small plants, suitable for the greenhouse, rock work, baskets, or out-door culture, flowering the first year if sown early; blooms in clusters; 9 inches. Half-hardy perennial.

Tropaeoloides—Yellow; very pretty... Pkt. 10c

Rosea—Mixed rose and white... Pkt. 10c

**NIGELLA.**

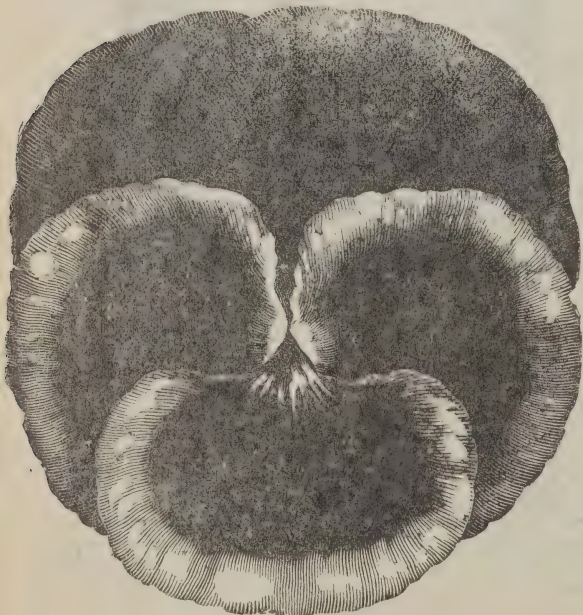
(Love in a Mist.)—A very interesting class of plants, with curious looking flowers and seed pods. Hardy annual.

Double Mixed—Flowers blue and white; $\frac{1}{2}$ footPkt. 5c

Miss Jekyll—A lovely variety with cornflower-blue flowers, much prized for cutting; height $1\frac{1}{2}$ feetPkt. 10c

PANSY

(Heartsease.) This lovely flower, a favorite with everyone, is too well-known to need any description. Seed sown in August and September and kept in cold frames through the winter and planted out in the spring will blossom abundantly the whole season; for summer and fall blooming sow from January to June. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. Hardy perennial.

**Bruce's Premium Pansy.**

Bruce's Premium—In our Premium Pansy we offer a strain that ranks second to none for the size of bloom, matchless form and substance; the flowers are beautifully blotched and pencilled with rich and striking colorsPkt. 25c

Orchid Flowered—The flowers of this new race are of a peculiar shape, the upper petals, which stand upright, are laid out in small folds or frills, which with the unique color combinations, give the flowers their resemblance to orchids. The colors range through shades of terra cotta, flesh, orange, rose, pink and lilacPkt. 25c

Bugnot's—The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked. Every lover of Pansies should give it a trialPkt. 25c

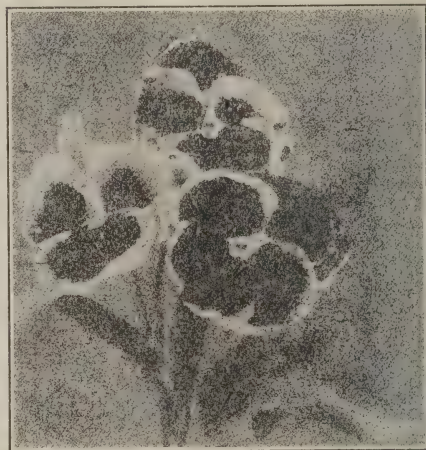
Masterpiece—In this new type of Pansies the great advance consists in the very robust and compact habit of growth and in the immense size of the flowers, which have the remarkable feature of mostly having the margins of their petals undulated and curled. The flowers of this strain show many new shades of color, while each petal is distinctly marked with large dark blotch. .Pkt. 25c

Brides' Maid—The flowers of this variety are very large and fine form. The ground color is rosy white, rivalling in delicacy of beauty with the finest apple blossom and most strikingly setting of the dark blotches in the centre. .Pkt. 25c

Ruby—Embraces the richest shades of red colors, from scarlet, scarlet-orange, wine red to rose; the flowers are of large size and fine formPkt. 25c

Giant Madame Perret—A beautiful new strain of rose and crimson shades; called the Wine PansyPkt. 10c

Paris Market—The flowers of this celebrated French strain are of large size and produce a great diversity of the handsomest and rarest colors; a favorite with those who grow for the marketPkt. 15c

**GIANT TRIMARDEAU PANSIES.**

Of strong and robust growth, producing flowers of immense size and beautifully marked.

White—With dark eyePkt. 10c

Silver-Edged—Dark purple, white edge. .Pkt. 10c

Fire King—Rich scarlet, gold edge . . .Pkt. 10c

Yellow—With dark eyePkt. 10c

Lord Beaconsfield—Purple-violetPkt. 10c

King of Blacks—Intense blackPkt. 10c

Finest Mixed . . .1 oz. \$2.50, $\frac{1}{4}$ oz. 75c Pkt. 10c

BEDDING PANSIES

Snow Queen—White . . . $\frac{1}{4}$ oz. 90c, pkt. 10c

Golden Gem—Gold-yellow. . . $\frac{1}{4}$ oz. 75c, pkt. 10c

Dark Blue $\frac{1}{4}$ oz. 75c, pkt. 10c

Peacock—Blue, white margin. $\frac{1}{4}$ oz. 90c, pkt. 10c

Cardinal—Brilliant red . . . $\frac{1}{4}$ oz. 90c, pkt. 10c

PANSIES—Continued.



MIXED PANSIES.

Very Fine Mixed—All colors ..oz. \$1.50, pkt. 10c
Fine Mixed—All colors. oz. \$1.00, ¼ oz. 30c, pkt 5c

TUFTED PANSIES OR BEDDING VIOLAS.

The plants are hardy and vigorous, compact growth. They are excellent for bedding purposes. In light, rich soil and a moist situation they will continue to bloom from spring till late in the fall. The colors are charming, white, lemon, orange, lavender, purple, etc.

Fine Mixed¼ oz. 85c, pkt. 10c
Superb Mixed—Scotch strain, see Novelties, page 48Pkt. 20c

OENOTHERA.

Evening Primrose—A free flowering and useful class of plants for beds and borders.

Macrocarpa—Very large golden yellow flowers. Hardy perennialPkt. 5c

PASSION FLOWER.

Elegant climber for either out-door or greenhouse cultivation, bearing a profusion of exquisitely beautiful flowers. Perennials. Height 10 to 20 feet.

Coerulea—Sky blue.....Pkt. 10c

PENTSTEMONS.

The Pentstemons are among the best perennials. The flowers are large and beautifully marked, tubular in shape, and produced in handsome spikes.

Choice MixedPkt. 10c

PERILLA.

Nankinensis—Ornamental foliage plant of compact habit; leaves dark mulberry, most useful bedding plant; 1½ feet. Annual..oz. 40c, pkt. 5c

PHYSOSTEGIA (False Dragon Head)

One of the most beautiful of our summer flowering hardy perennials. It forms dense bushes, bearing freely during the summer months long spikes of tubular-shaped flowers.

Virginica—Delicate pink, 3 to 4 feet..Pkt. 10c

Virginica Alba—Pure white, 2 feet....Pkt. 10c

PETUNIA

A very profuse flowering, easily cultivated garden favorite for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early and continues a mass of bloom the whole season. It is also very effective in pots for greenhouse or parlor decoration. Half-hardy annual.

Single Varieties.

Rosy Morn—One of the most effective and valuable of the small-flowering class. The plants grow thick and spreading like a bush and remain fairly dwarf. The pretty flowers, thickly covering the full grown plant, are brilliant rose color, with large white throat and white centre. Pkt. 10c

PETUNIA—Continued.



Petunia, Giants of California.

Giants of California—A California strain of incomparable beauty. The flowers are of enormous size (4 to 5 inches across), and are produced in a wonderful variety of colors, markings, etc., including many charming and delicate shades..Pkt. 25c

Intus Aurea—Large flowered, yellow throated; remarkably fine and distinct; a magnificent variety, all colors mixed Pkt. 25c

Grandiflora Fimbriata—Single fringed varieties, flowers of very large size, of innumerable shades, colors and markings,all beautifully fringed Pkt 20c

Inimitable New Dwarf—Very bushy; 5 to 6 inches high, with regular striped flowers; they bloom uninterruptedly for months, and are exceedingly effectivePkt. 10c

Snowball—A charming dwarf growing variety, with large white scented flowersPkt. 10c



Single Mixed Petunia.

Fine Mixed—Self colors; in great variety, very free floweringoz. 75c, ¼ oz. 25c, pkt. 5c

Striped and Blotched—Unsurpassed mixture of splendid colorsoz. \$1.50, ¼ oz. 50c, pkt. 10c

PETUNIA—Continued.



Double Petunias.

DOUBLE PETUNIAS

Double Petunia—Splendid mixed. In this mixture will be found the best strain of large flowering, striped, blotched and fringed double Petunias. especially remarkable for the rich color and large size of the flowers, of which about 30 per cent. will be doublePkt. 25c.



Phlox Drummondii.

PHLOX DRUMMONDII

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen. Hardy annual. Height 1½ feet.
Fine Mixed—All colors. oz. \$1.00, ¼ oz. 30c, pkt. 5c

PHLOX DRUMMONDII—Continued.
Large Flowering Phlox.

- Splendens—CrimsonPkt. 10c
- WhitePkt. 10c
- Coccinea—ScarletPkt. 10c
- Rose—White EyePkt. 10c
- Yellow—Garnet EyePkt. 10c
- Finest Mixed—All colors. . . ¼ oz. 50c, pkt. 10c
- Nana Compacta—The plants grow about 6 inches high, and have a close, compact and robust growth. The flowers are of large size and fine form, white and dark centered, striped and self colorsPkt. 10c
- Star and Fringed Phlox, Mixed — A distinct and pretty strain of Annual Phlox, with star-shaped and fringed flowers in many beautiful shadesPkt. 10c

Double Phlox.

A very desirable class. Flowers are double and semi-double; the colors, crimson, scarlet, yellow and pure white, last much longer when cut than the Single Phlox. All colors, mixedPkt. 10c

Hardy Perennial Phlox.

Decussata — This charming hardy Phlox should have a place in every garden. Fine mixed, all colorsPkt. 10c

PINKS—See page 63.

POPPY

A tribe of showy, free flowering plants, with large and brilliant colored flowers; well adapted for large mixed borders and shrubberies.

Single Varieties.



Shirley Poppies.

Shirley Poppies—The colors range from white through all shades of delicate rose, pink, carmine and crimsonoz. 40c, pkt. 5c
The Shirley, Re-selected—This is an extra fine strain of these charming Poppies, including many new colors, such as apricot and salmon pink, while many are daintily edged and striped. oz. 60cPkt. 10c

POPPY—Continued—Single Varieties.

The Admiral—New—This charming variety is characterized by large, round, smooth-edged flowers of purest white, with a broad band of brilliant scarlet around the top; an extremely telling contrastPkt. 10c

Tulip—The plant is from 12 to 14 inches high, and produces flowers of the most vivid scarlet imaginable. The two outer petals of the flower bear a similarity to a saucer, in which are set two erect petals of the same color.Pkt. 10c

The Bride—A magnificent giant white fringed variety; the petals are large and daintily incurvedPkt. 5c

Scarlet Field Poppy—The single Poppy, so much admired by tourists in Europe, where it abounds on the railroad banks and in the fields. Eighteen inchesPkt. 5c

Hansa Poppy—New—Single fringed. The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimsonPkt. 5c

Double Varieties.

Carnation Flowered—A magnificent class, with large globular flowers, the feathery petals being beautifully fringed; height 2 feet. Mixed colors . .oz. 20c, pkt. 5c

Paeony Flowered—The flowers of this variety are of immense size, very double and broad petalled. Mixed colorsoz. 20c, pkt. 5c

French Ranunculus Flowered—Handsome and free blooming; the flowers are very double and of every imaginable color; height 2 feet . . .oz. 20c, pkt. 5c

Cardinal—The flowers are very large and perfectly double; height 1½ feet; scarlet, very fine . . .Pkt. 5c

White Swan—Pure white, beautifulPkt. 5c

Double Mixed Garden Poppies—This choice mixture includes all the above, affording the greatest variety at low priceoz. 25c, ½ oz. 15c, pkt. 5c

Hardy or Perennial Poppies.

Oriental—Large brilliant dark scarlet flowers, with glittering black blotch at base of each petal, extra finePkt. 10c

New White Oriental Poppy—For description of this beautiful novelty see page 50Pkt. 25c

Giant Oriental Hybrids—Large showy flowers, ranging in color from delicate salmon to deep crimson; a superb mixturePkt. 10c

Admiral Poppy.



Double Poppy.

Iceland Poppy—A beautiful class of dwarf perennial Poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, borne on slender stalks a foot high Pkt.10c

PYRETHRUM.

Handsome hardy perennials, very desirable for borders, the elegant flowers being much prized for cutting, in bloom June; height 2 feet.

Flowering Varieties.

Double Mixed—Beautiful Aster-like flowers, ranging in color from white to rose and purplish crimson. Pkt. 20c

Single Mixed—Large Daisy-like flowers of many beautiful colors; saved from an unequalled collection of named sorts, excellent for cutting.Pkt. 15c.

Yellow-Leaved Sorts.

Well known dwarf growing plants, extensively used for bedding purposes.

Selaginoides—Golden moss-like foliage . . .Pkt. 10c

Golden Feather (Aureum)—Very popular. . .Pkt. 5c

PINKS.

See Dianthus, page 63.



Single Pyrethrum.

PORTULACA

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled, and whether in baskets, small beds, edgings or rock work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds in light, gravelly soils and a warm situation.

Hardy annual.

Single—Mixed colors; ½ foot. oz. 60c, pkt. 5c

Double—Mixed, extra fine; ½ footPkt. 10c

PUERARIA THUNBERGIANA

Japanese Kudzu Vine.

A hardy climbing plant of remarkably rapid growth. It will grow 8 to 10 feet the first year from seed, and after it has become established there seems to be no limit to its growth, the foliage is large and covers well; it bears rosy-purple pea-shaped flowers in clusters, borne late in the season. A splendid subject for covering verandahs, arbors, etc.; easily grown from seed. Pkt 10c

PRIMULA OR CHINESE PRIMROSE

One of the finest winter and spring blooming plants, of easy culture, blooming at a season of the year when flowers are generally scarce; they are indispensable for conservatory and house decoration. The seed we offer has been selected with great care from some of the finest strains, and we can with confidence recommend it. Green-house perennial.

Alba Magnifica — Superb large flower, with bright yellow eye; beautifully fringed..Pkt. 25c

Mont Blanc—Snow white flowers of good size and substance and exquisitely fringed..Pkt. 25c

Purity—A strong growing variety, with distinct red stems; flowers are large, pure white, with sulphur eyePkt. 25c

Rose—Bright rose; a superb variety..Pkt. 25c

Salmon—New—Rich salmon, a charming varietyPkt. 25c

Rubra—Rich red flowers, elegantly fringed, very handsome.....Pkt. 25c

Royal Blue—The finest of blues ..Pkt. 25c

Bruce's Superb Mixed—This embraces all the finest shades of colorPkt. 25c

Fern-Leaved Mixed—Fern-like foliage, finely fringed flowersPkt. 25c

Primula Stellata (Star Primulas)—Greatly improved strain of these new and very free blooming Primulas—for cut bloom they are unequalled and for Pot Culture much more robust in habit, and produce many more flowers than the Primula Sinensis Fimbriata varietiesPkt. 25c

NEW GIANT FLOWERED CHINESE.

A magnificent class of Primula, of immense size; the flowers of which include many shades of color, are borne well above the foliage, are beautifully fringed and of great substance. Finest mixedPkt. 25c.

DOUBLE CHINESE.

Embracing beautiful shades of magenta, scarlet, rose and white. The large double and semi-double flowers are invaluable for cutting during the winter months, when other flowers are generally scarcePkt. 25c

KEWENSIS—See Novelties, page 50.

MALACOIDES—See Novelties, page 50.



Double Portulaca



Primula or Chinese Primrose.

VARIOUS PRIMULAS.

The following varieties are of the easiest culture, flowering abundantly and continuously with little care. Seed sown under glass in February will produce flowering plants by the middle of May. Charming pot plants.

OBCONICA GIGANTEA—This new variety is the finest yet produced. See Novelties, page 50.

OBCONICA GRANDIFLORA—A profuse bloomer, bearing on long stems heads containing 10 to 15 flowers. Pure white to rosy lilac...Pkt. 20c

DOUBLE OBCONICA—The flowers of this new double variety are produced in large trusses, borne on stout stems and rising well above the foliage; the individual flowers are of good size and a very delicate shade of light, rosy lilac...Pkt. 25c

Forbesi—Like Obconica, this species begins to flower in babyhood, and continues a mass of bloom all the year round. Each flower stem bears 3 to 6 whorls of pale rosy lilac flowers, smaller than those of Obconica, but more charming and gracefulPkt. 25c

HARDY PRIMROSES

New Giant Hardy Hybrids (*Primula Veris Grandiflora*)—This new giant primrose is a vast improvement in every way on the old type, *Polyanthus*. The flowers are very large, measuring from 1½ to 2 inches in diameter, and borne on long stems 10 to 12 inches in length; the leaves are larger than those of that type and the colors are richer and more varied . . . Pkt. 25c

Mixed Hybrids—Flowers of these new hybrids are produced in all shades of color, varying from white to crimson . . . Pkt. 10c
Yellow—The old-fashioned favorite . . . Pkt. 5c

PRIMROSE—POLYANTHUS.

Splendid free-flowering plants, either for pot culture or open border. Hardy Perennial. Height ½ foot.

Gold Laced—Very showy and attractive. Pkt 10c

Fine Mixed—Border varieties. Pkt. 10c

PRIMULA JAPONICA.

Mrs. Scott Elliot's New Hybrids—The colors range from pure white through all shades of pink to deep crimson. See Novelties, page 50. Pkt. 15c

RICINUS—See Castor Oil Beans, page 58.

ROSA MULTIFLORA NANA.

Liliput Rose—This new dwarf Polyanthus Rose flowers the first season from seed. The flowers are single, semi-double and double, are of perfect form, and are produced in every color exhibited by other roses. The plants grow only about 15 inches high, forming very neat, compact bushes. Pkt. 15c

ROCKET.

Very pleasing early spring flowers, deliciously fragrant. Hardy perennial.

Purple and White—1½ feet Pkt. 5c

SAPONARIA.

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edging they are unequalled, bearing cutting back, if necessary. Hardy annual.

Calabrica—Rich, deep pink, 1½ ft. oz. 30c, pkt. 5c

SENSITIVE PLANT.

Mimosa—Very curious and interesting, their leaves closing if touched or violently shaken; may be grown out of doors, in a warm situation; grow in peat or loam; 1 foot. Half-hardy annual Pkt. 5c

SALPIGLOSSIS

Highly ornamental and remarkably beautiful summer blooming plants. Their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edging, etc.

Hardy annual.

Superbissima or Emperor—A grand new strain, remarkable for its very large flowers, which are brilliant, varied colors, all richly veined with gold Pkt. 10c

Finest Mixed—Large flowering sorts. Beautiful colors; 1½ feet ¼ oz. 30c, pkt. 5c



Salpiglossis.



Salvia Splendens.

SALVIA

(Flowering Sage)—A favorite bedding plant, bearing long spikes of flowers in great profusion from July till frost; half-hardy perennials, blooming the first year from seed, which should be sown as early as possible, either indoors or in a hot bed, and the young plants transferred to their flowering quarters when the weather has become settled and warm.

Splendens—Brilliant scarlet flowers; a magnificent variety; 3 feet Pkt. 10c

Bonfire—In habit more dwarf and compact than above; flowers intense scarlet; unsurpassed for bedding and pots; 2 feet Pkt. 10c

Zurich—The earliest flowering of all Salvias; this new variety begins to bloom about the first of July, continuing without interruption until frost. The compact and dwarf habit of the plant makes it most suitable for small beds or borders. Very handsome. Pkt. 15c

Farinacea—Beautiful and free flowering, producing in profusion tall spikes of silvery lavender flowers Pkt. 10c

Patens—Handsome, large, deep blue velvety flowers; highly recommended; 2 feet . Pkt. 20c

Coccinea—Scarlet, very showy,; not nearly equal to above varieties; 1 foot—oz. 40c, pkt. 5c

SCARLET RUNNER BEANS

A great favorite in England and the Continent of Europe, not only as an ornamental climber, but for its delicious edible beans, which succeed the bright scarlet sprays of pea-shaped blossoms; grows 10 to 15 feet high. Pkt. 5c, ¼ lb. 10c, 1 lb. 30c, postage extra 10c lb.

BUTTERFLY RUNNER BEAN.

This new Runner Bean is practically identical with the old Scarlet Runner, except in color of its flowers, which are rose-white. . . . Oz. 10c, pkt. 5c

SHAMROCK.

The true Irish variety Pkt. 5c



Sweet Scabious.

SCABIOSA

Sweet Scabious—Flowers are double, remarkably handsome and very richly colored crimson, purple, pink and lilac shades predominating; splendid for cutting. Hardy nual.

- Double Mixed—All colors; 2 ft..oz. 75c, Pkt. 5c
- Double White—Snowball, extra; 2.ft....Pkt. 5c
- Double Yellow—Very prettyPkt. 5c
- Fairy Queen—Light bluePkt. 10c
- Fire King—Rich, rosy crimsonPkt. 10c
- Caucasica—One of the handsomest of hardy perennials, especially valuable for cutting, the bloom lasting a long time in water; lilac blue, 3 feetPkt. 10c



Schizanthus.

SCHIZANTHUS.

Butterfly Flower—A splendid annual, combining elegance of growth with a profusion of rich and various colored flowers; fine for greenhouse decoration and the flower garden; of easy culture.

Dwarf Large Flowering Hybrids—Beautiful colors and combinations in great variety. Pkt. 10c

Wisetonensis — The plants form pyramidal bushes about 18 inches in height, covered with masses of elegant flowers of various shades of white to rose and white spotted rose to carmine. Very beautifulPkt. 15c

SOLANUM.

Capsicastrum (Jerusalem Cherry)—This is a useful pot plant for winter decoration, of dwarf, branching habit, bearing in the greatest profusion bright scarlet berries. Seeds sown in early spring produce fine plants for autumn fruiting..Pkt. 10c

STEVIA.

Serrata—The tiny white flowers are produced in graceful sprays, valuable for cutting; perennialPkt. 10c

SMILAX.

A well known greenhouse plant, largely used by florists for table and house decorations; flowers whitePkt. 5c



Stokesia.

STOKESIA CYANEA.

Blue Cornflower Aster—A beautiful hardy perennial, of the easiest culture, blooming the first year from seed and succeeding in any open sunny situation. The plants grow about 2 feet high, and produce their handsome lavender-blue Centaurea-like blossoms from July till frost. Pkt.10c

Cyanea Alba—A pure white-flowering form, identical to blue variety in every way except colorPkt. 10c

STREPTOCARPUS.

Cape Primrose—New Hybrids—Highly decorative pot plants. They produce a continuous succession of large trumpet-shaped flowers, borne on erect, slender stems, ranging in color through lavender, purple, violet, rose and red to pure white. Seed sown in January or February will produce plants which will come into bloom during the following June and July.Pkt. 10c



Stocks.

STOCKS

The Stock is one of the most popular, beautiful and important of our garden favorites. Whether for bedding, massing, edging or ribboning, it is unsurpassed, either for brilliancy or diversity of color, or duration of bloom. Half-hardy annual.

SUMMER FLOWERING TEN WEEK VARIETIES.

The most useful stock for general bedding; the flowers are large, and produced in great profusion.

Fine Mixed	oz. \$1.50, ¼ oz. 50c, pkt. 5c
Choice Double Mixed—Large flowered sorts, extra fine..	Pkt. 10c
Pure White	Pkt. 10c
Crimson	Pkt. 10c
Light Blue	Pkt. 10c
Imported Collection—12 finest varieties	75c
Imported Collection—6 finest varieties	50c
Canary Yellow.....	Pkt. 10c
Scarlet	Pkt. 10c

PERPETUAL OR BRANCHING STOCK.

(Cut and Come Again)—A magnificent Stock of strong growth and fine branching habit, bearing enormous spikes of large double flowers, suitable alike for the garden and winter forcing under glass.

White Princess Alice..	Pkt. 10c
Scarlet	Pkt. 10c
Silver Lilac.....	Pkt. 10c
Rose	Pkt. 10c
Canary-Yellow	Pkt. 10c
Mixed.....	Pkt. 10c

SPECIAL EARLY LARGE FLOWERING GIANT NICE WINTER STOCKS.

The different varieties in this section are largely used as pot plants by market growers. By sowing early in June they may be had in flower by Christmas. A striking feature of the Nice Stock is the rapidity with which it comes into flower, so that it may just as readily be grown as an early Ten-Week Stock.

Mont Blanc—Purest white. Very floriferous hardy variety	Pkt. 15c
Purple (Violet)—New—Strong spikes, remarkably fine variety	Pkt. 15c
Beauty of Nice—Strong spikes, with large flowers of a delicate fleshy pink	Pkt. 10c
Almond Blossom—White, shaded carmine, a charming variety	Pkt. 15c
Queen Alexandra—Rosy-lilac, very fine..	Pkt. 10c
Abundance—Carmine-rose, flowers produced in extraordinary profusion	Pkt. 15c
Finest Mixed	Pkt. 10c

VARIOUS STOCKS.

East Lothian Intermediate—The best of all intermediate varieties; for winter or spring flowering. Their continuous blooming and great percentage of double flowers which they produce renders them the most valuable for pot culture.

White or Scarlet—Mixed or separate cols. Pkt. 15c

Brompton Biennial—Large flowered variety of dwarf, compact habit, producing a beautiful display of double flowers. Snow White and Scarlet, mixed..... Pkt. 15c

SUNFLOWER

(Helianthus). Very showy plants, remarkable for their stately growth and the brilliancy and size of their flowers, and well adapted for large shrubby borders or round the margins of lakes and ponds. Hardy annual.

Single Varieties.

Miniature—Of dwarf, branching habit, producing an abundance of small flowers, of a bright golden yellow, with dark centre; one of the finest; 3 feet

Primrose Dame—Sulphur yellow, with black centre; 6 feet



Miniature Sunflower.

New Miniature Seedlings—These new seedlings retain the same growth and freedom of flowering of the original Miniature Sunflower, but the individual flowers are most distinct in color and markings. They come in charming shades of orange, yellow and primrose. Some of the single flowers, with their twisted petals, resemble the Cactus-Dahlia, others are semi-double, whilst others are quite double and full centered, like those of the large flowered double sorts. Pkt. 5c

Giant Russian—Very large, 8 ft. oz. 25c, pkt. 5c

Double Varieties.

Dwarf Double—Very attractive; a handsome background; 4 feet

Tall Double—Large, bright yellow flower; 5 feet

Many Flowered Double—Handsome and ornamental; it grows erect, about 4 feet in height, with only a single stock and at each leaf joint is a very short stem, terminating in a fine double flower. The terminal flower is the largest, being from 6 to 8 inches in diameter. oz. 25c, pkt. 5c

SUNFLOWER—Continued.



Double Chrysanthemum-flowered Sunflower.

Chrysanthemum-Flowered—Grows 7 feet high, and bears profusely all summer long. Flowers are perfectly double, and of the very brightest golden yellow. The plants remain in bloom a long time and bear flowers of so many sizes that anyone can suit himself as to what size would make the prettiest bunch. The flowers are so perfect in form that they resemble very double Chrysanthemum-flowered Asters. Oz. 25c, pkt. 5c

Globosus Fistulosus—Handsome large flowered; 5 feetoz. 25c, pkt. 5c

New Red Sunflower—For description see page 51. Price per pkt. 10c.

SWEET PEAS

These lovely and deliciously perfumed flowers are everywhere appreciated. They possess all the qualities which are prized in decorative flowers, gracefulness of form, brilliant and varied colorings, slender stems, and sweet perfume. When cut for filling vases the blooms will last for days. The seed should be sown as early as the ground can be worked in the spring to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. As fast as the flowers come into full bloom or fade, they should be cut off, for if the pods are allowed to form the plants will stop blooming. Seed may be sown with great advantage late in autumn.

A Carefully Revised List of the Best New and Standard Varieties.

PURE WHITE AND PRIMROSE

Dorothy Eckford—Pure white; the plant is very short jointed, and grows an enormous mass of bloomPkt. 5c, oz. 20c

SWEET PEAS—Continued.

White and Primrose—Continued.

Emily Henderson—Pure white, extra fine. Pkt. 5cOz. 20c

Honorable Mrs. E. Kenyon—Primrose, self-colored, large, semi-hooded flower; this is the largest and best of this shadePkt. 5c, oz. 20c

Nora Unwin—This charming variety takes its place in the front rank of pure whites. It has the same bold, wavy standard and broad wings of the Unwin type; a strong, vigorous grower and free bloomerPkt. 10c, oz. 40c

PINK AND ROSE.

Agnes Eckford—Flowers a beautiful soft light pink, resembling the favorite Prima Donna in shade, but larger in size, while the coloring is even more delicate and pleasing. .Pkt. 5c, oz. 25c

Bolton's Pink—Standard self-pink, shaded delicate rose, wings pale pink; very large flower with erect standard of fine substance. .Pkt. 5c, oz. 25c

Gladys Unwin—The large flowers have a very striking upright or wavy standard and broad wings; color a pale rosy-pink . .Pkt. 10c, oz. 40c.

Prima Donna—A lovely shade of soft pink, of large size and fine form; very frequently bears four flowers on a stemPkt. 5c, oz. 20c

ORANGE AND PINK.

Miss Wilmott—A grand flower of great substance, standard rich red, orange pink, wings rose, with orange tint; semi-hooded form; flower stems long and stiffPkt. 5c, oz. 20c

St. George—The most brilliant color in Sweet Peas; the standard is bright orange-scarlet, very large and inclined to the wavy form. Wings bold and well opened, of a slightly deeper color. Pkt. 10coz. 40c

RED, SCARLET AND CRIMSON.

King Edward VII—This is a lovely bright crimson self. A true giant flowered variety, with strong stems and growth, with no inclination to burn in the sunPkt. 5c, oz. 25c

Prince of Wales—A bright rose self of intense color and bright, bold form, bearing three and frequently four flowers, well placed on long, stout stemsPkt. 5c, oz. 25c

Queen Alexandra—An intense scarlet self of grand texture and finest form. The plant is a vigorous grower and very free flowering, the flowers large and borne on long, stiff stems. Pkt. 5cOz. 25c

Salopian—A superbly beautiful variety. Color deep crimson, tinged with mulberry red, suffused with rich, orange scarlet; flowers large, finely formed and handsomePkt. 5c, oz. 25c

STRIPED, PICOTEE EDGED, AND MOTTLED.

Aurora—The flowers, which are gigantic in size, are borne three or four on a stem; the color effect is gorgeous. Both standards and wings are flaked and striped on a white ground with bright orange salmonPkt. 5c, oz. 25c

Dainty—Flowers of the largest size, upon first opening appear to be white, but quickly change to white with pink edge, making a most charming contrastPkt. 5c, oz. 25c

Helen Pierce—A very pretty and distinct variety. Flowers a bright blue, mottled and marbled on a white ground, after the style of a Gloxinia in colorings and markings; very striking and uniquePkt. 5c, oz. 25c

Lottie Eckford—Flowers large, standard white, shaded mauve; wings white, blue edged; very handsome.Pkt. 5c, oz. 25c

SWEET PEAS—Continued.**LAVENDER, MAUVE AND PURPLE.**

Frank Dolby—New—A lovely, pale blue, with the bold, wavy standard of the Unwin type, possibly the best of this color . . . Pkt. 10c, oz. 40c

Lady Grisel Hamilton—Color a beautiful, shining pale lavender. In form it is one of the most advanced giant-flowered type . . . Pkt. 5c, oz. 25c

Mrs. Geo. Higginson, Jr.—A very distinct and pure light blue . . . Pkt. 5c, oz. 25c

Romolo Piazzani—A violet-blue self; the standard is only slightly hooded; flower of great size and substance, very vigorous grower, . . . Oz. 25c

MAROON, INDIGO and VIOLET.

Black Knight—A very deep maroon self, the best of the color; the plants are of vigorous growth and free flowering . . . Pkt. 5c, oz. 25c

Duke of Westminster—A deep, rose-maroon, overlaid with bright, shining violet; a grand flower, perfectly distinct from any other variety. Pkt. 5c . . . Oz. 25c

Lord Nelson—An improved navy blue, the flowers being larger and of a richer indigo blue. Pkt. 5c . . . Oz. 25c

BRUCES' SPENCER OR ORCHID FLOWERED SWEET PEAS

The introduction of the Spencer type of Sweet Peas has created a new interest and increased the

SPENCER SWEET PEAS—Continued.

popularity of this general favorite. The Spencer variety is quite distinct and a great improvement on the standard or grandiflora type, being round and open, and of extraordinary size, with beautiful waved and fluted standards, the magnificent flowers being generally produced in threes and often fours on long, strong stems, making them of exceptional value for cutting.

Afterglow—Violet-blue and rosy amethyst. Pkt. 10c . . . Oz. 50c

Apple Blossom Spencer—Standard crimson-pink, shaded deeper at mid-rib to lighter at edges. Wings white, tinged and shaded with pink. Pkt. 10c . . . Oz. 50c

Aurora Spencer—The superbly beautiful flowers are produced most profusely in threes and fours. The ground color of the flower is a cream-white, and this is exquisitely flaked and mottled with rich, orange-salmon . . . Pkt. 10c, oz. 50c

Asta Ohn Spencer—Lavender, suffused or tinted with mauve. The flowers are very large and wavy, and come uniformly four blossoms to the stem, and the stems are particularly long and sturdy . . . Pkt. 10c, oz. 50c

Bertrand Deal—New—The flowers are of extra large size. The color is quite distinct, being a rich shade of rosy lilac or soft mauve, with a slight suffusion of rose . . . Pkt. 15c, oz. 75c

Blue Picotee—White, edged with violet, a charming flower . . . Pkt. 15c, oz. 75c

Charles Foster—New—Pale blush pink, flushed with lavender, a charming combination of colors, but hard to describe. Flowers of largest size, borne three and four on a stem. Pkt. 15c, oz. 75c

Countess Spencer—A beautiful clear pink, showing a little deeper at the edges. The form is open and the margins of the petals wavy. A strong, vigorous grower, the large flowers are borne three and four upon long, stiff stems. Pkt. 10c . . . Oz. 50c

Decorator—New—Rich rose, overlaid with terra cotta, distinct and most beautiful, of vigorous growth, the vines flower profusely . . . Pkt. 10c, oz. 50

Dobbie's Cream—New — Extra large flowers of a clear primrose throughout, the finest of this color yet introduced. Pkt. 10c . . . Oz. 50c

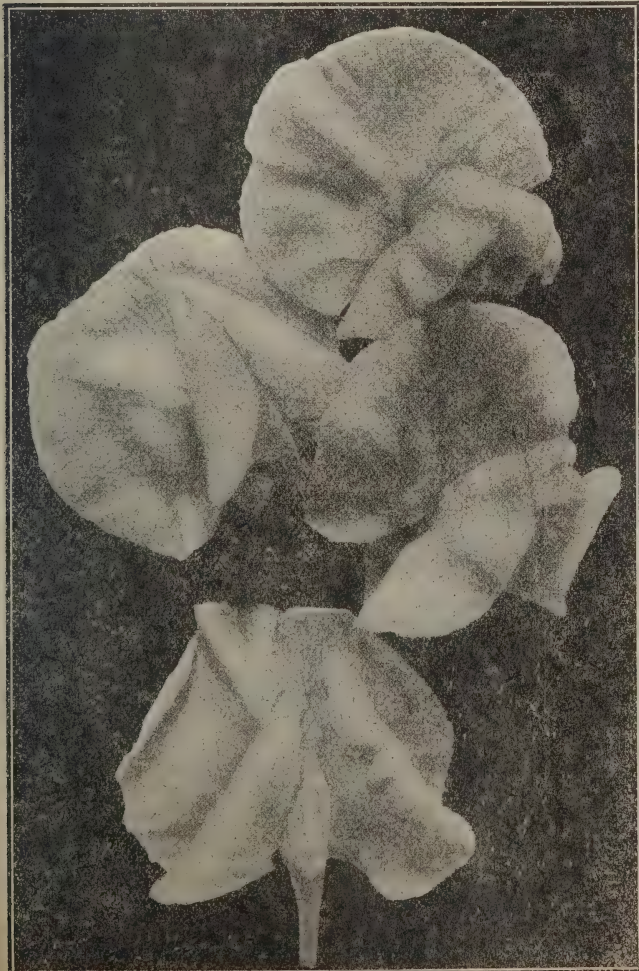
Duplex Spencer—Produces uniformly large, waved flowers of true Spencer type. In color both the standard and wings are a rich, cream pink, and practically all the plants give flowers with double or triple standards. Of strong, vigorous growth, the vines bear the grand flowers most profusely upon long, stiff stems . . . Pkt. 10c, oz. 50c

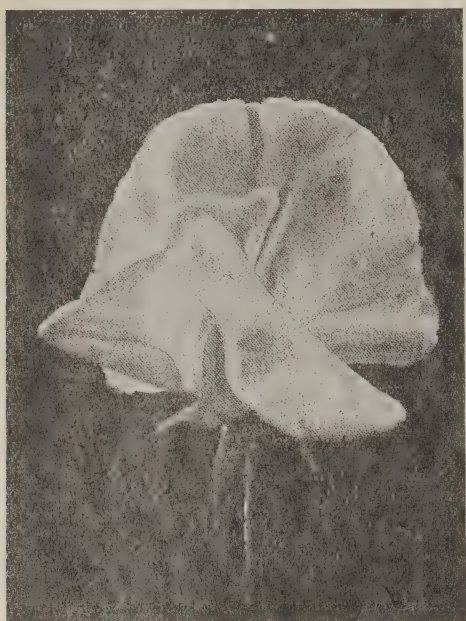
Edith Taylor—A variety of surpassing beauty, which may be described as a soft salmon-rose self, of nearly the same shade, in both standard and wings. The flowers are of largest size and best Spencer type . . . Pkt. 15c, oz. 75c

Elfrida Pearson—New—The flowers are of large size and great substance. The vines bloom in wonderful profusion and the flowers frequently come with double standards. The color is a lovely pink throughout, the buds and flowers being tinted with salmon-pink. Pkt. 10c . . . Oz. 50c

Evelyn Hemus—A warm cream, shading to yellow, edged with terra-cotta pink, a charming variety. Pkt. 10c, oz. 50c

Florence Nightingale—The color is most charmingly soft and yet rich lavender. The plant is extremely robust in growth, flowering most profusely. Pkt. 10c, . . . Oz. 50c





Mrs. Routzhan Spencer.

Helen Lewis—The orange-rose wings roll and fold, the standard is reflexed, showing the distinctly fluted effect, and is of an intense rich crimson-orangePkt. 10c, oz. 50c

Illuminator—See Novelties, page 52.



Countess Spencer

SPENCER SWEET PEAS—Continued.

King Edward Spencer—The enormous flowers come uniformly waved and crinkled. The standard is a rich, deep carmine-scarlet of glossy effect. The wings are also carmine scarlet, and on the reverse side are of a deep rosy-carmine. The vines are vigorous and thrifty, the long stems frequently carry four fine blooms, while the majority bear three flowers.Pkt. 10c, oz. 50c

King White—The finest white.—See Novelties, page 52.

Maud Holmes—Flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, the blooms are of the true Spencer type, both standards and wings being well wavedPkt. 10c, oz. 50c

Margaret Atlee—See Novelties, page 52.

Margaret Madison—An exquisite, self-colored azure bluePkt. 15c, oz. 75c

Marie Corelli—The wings are a pure rich rose-carmine, while the standard shows a touch of cherry-red. The whole effect is that of a brilliant crimson, clear, distinct and most beautiful. The plant is of strong growth and very free floweringPkt. 10c, oz. 50c

Masterpiece—A lavender Spencer, slightly tinted mauve, flowers very large and wavy, stems nearly always carry four blossomsPkt. 10c, oz. 50c

Mrs. Hugh Dickson—A cream pink Spencer on buff ground, very fine form, flowers well placed on long stems; a charming flower. Pkt. 5c, oz. 50c

Mrs. Routzhan Spencer—The blending shades of this charming variety are soft rose and buff and primrose, with a decided rose edge. The flowers are very large, and of the most perfect Spencer formPkt. 10c, oz. 50c

Nubian—A new maroon or deep chocolate colored self of great merit. The flowers are of truly giant proportions, beautifully waved, and of great substance. Usually four flowers on a stem. Pkt. 10cOz. 50c

Othello Spencer—A rich, deep maroon. The flowers come true to type, being beautifully waved and crinkled, both in standard and wings. Pkt. 10cOz. 50c

Royal Purple—New—A beautiful royal purple self color, the vines are exceptionally vigorous, the large waved flowers are borne three and four upon long, stiff stemsPkt. 15c, oz. 75c

Primrose Spencer—Primrose-yellow. The vine is equally as thrifty and free flowering as White SpencerPkt. 10c, oz. 50c

Rosabelle—The largest and most beautiful of the deep rose selfs. It is a vigorous grower and most profuse bloomer, the immense flowers being usually borne four on a stem. The flowers are very much waved or crimped, and while of such large size, the form is perfect. .Pkt. 15c, oz. 75c

Stirling Stent—Salmon-orange, the flowers large and wavyPkt. 10c, oz. 50c

White Spencer—Pure white, enormous flowers; the standard is waved and crinkled. Vines vigorous, with heavy foliagePkt. 10c, oz. 50c

Queen Alexandra Spencer—Bright scarlet-red. The flowers are uniformly of the largest size and finest form, and their vigorous vines flower most freelyPkt. 10c, oz. 50c

Thomas Stevenson—Orange-scarlet, beautifully wavedPkt. 10c, oz. 50c

Wedgewood—A most beautiful Wedgewood blue self, flowers of good size, borne almost uniformly in four-flowered sprays well placed upon long, stout stems. Of finest Spencer form, the standard and wings arePkt. 10c, oz. 50c

CHRISTMAS FLowering SWEET PEAS

For growing under glass these new and distinct Sweet Peas are most suitable. By frequent sowings, commencing the middle of August and on during the fall and winter, cut flowers can be had in abundance from Christmas until the following June.

Florence Denzer—WhitePkt. 10c, oz. 50c
 Christmas Pink—Pink and white.Pkt. 10c, oz. 50c
 Mrs. Alex. Wallace—Lavender...Pkt. 10c, oz. 50c
 Meteor—ScarletPkt. 10c, oz. 50c
 Mrs. F. J. Dolansky—A lovely shade of soft pinkPkt. 10c, oz. 50c
 Mixed—Many fine sortsPkt. 10c, oz. 50c

DWARF SWEET PEAS.

Plants are seldom more than 6 or 8 inches in height, and form a dense mat of richest green foliage 15 inches or more in diameter. The flowers are fully equal in size to those of the tall growing varieties, but are placed closely together, generally three or four at top of a stout stem. For bedding, bordering, or cemetery decoration they are especially valuable.

Choice Mixed Cupids—Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$2.00.

SWEET PEAS IN MIXTURE

Bruce's Superb Mixed—In the blending of this superb mixture the greatest care has been taken; composed exclusively of the best up-to-date giant flowering and Spencer varieties, and in such quantities as to produce the best color effect. We can safely say no better mixture is offered, no matter under what name or at what price. Pkt. 10c, oz. 35c, 2 oz. 60c, ¼ lb. \$1.00, lb. \$3.50.

Bruce's Choice Mixed—This fine mixture is a choice blending (mixed by ourselves) from named varieties only, ensuring a most satisfactory result in colors, and vastly superior to the ordinary mixture sold, which usually contains a large proportion of dull colors. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. \$1.50.

Good Mixed—A good mixture and one that will please, but of course not equal to Bruce's Choice Mixed. Pkt. 5c, oz. 10c, 2 oz. 20c, ¼ lb. 35c, lb. \$1.10.

SWEET ALYSSUM—See page 53.

SWEET SULTAN—See page 60.

SWEET WILLIAM.

Dianthus Barbatus—Well known and popular biennial, of easy culture. The plants are hardy and of vigorous growth; the flowers sweet scented, borne in profusion, are of extreme richness and variety of color.

Improved Large Flowered (Holborn Glory)—This strain is a large flowered selection of the auricula-eyed section, the most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, while the range of color, all showing a clear, white eye, is truly superbPkt. 10c

Pink Beauty—An extremely handsome variety, with beautiful salmon-pink flowers, useful for bedding. The habit is bushy and compact. Pkt. 10c

Scarlet Beauty—This is a facsimile of the above but the flowers are of a rich scarlet . . .Pkt. 10c

Double—The plants are of robust, bushy habit, producing numerous stems, surmounted by immense umbels of full, double flowers. The colors are extremely variedPkt. 10c

Single—Finest mixedoz. 30c, pkt. 5c



Bruce's Spencer Sweet Peas.

SWEET PEAS IN COLLECTIONS

BRUCE'S ROYAL NOSEGAY.

Dorothy Eckford, white.
 Miss Wilmott, orange-pink.
 King Edward, scarlet.
 Hon. Mrs. Kenyon, primrose.
 Prima Donna, pink.
 Frank Dolby, pale blue.
 Price of the above superb collection 25c.
 mailed to any address.

BRUCE'S SPENCER COLLECTION.

Maud Holmes, crimson.
 Countess of Spencer, pink.
 Masterpiece, lavender.
 Duplex, pink.
 Othello, chocolate.
 Evelyn Hemus, cream and pink.
 This superb collection mailed to any address
 for 50 cents.



Sweet William.

TORENIA.

A very fine annual, forming a splendid plant for vases, hanging baskets, greenhouses, or for growing out of doors.

Fournieri—Large sky-blue flowers, with 3 spots of dark blue, and bright yellow centre. Pkt. 10c

Bailloni—Golden yellow, with brown-red throat Pkt.20c

VINCA.

Ornamental, free-flowering plants. They flower from seed the first season, continuing until frost; or they may be potted and kept in bloom through the winter; a fine cut flower; 2 feet. Tender perennial.

Mixed Colors—Pink and whitePkt. 5c

VIRGINIAN STOCK.

Extremely pretty profuse blooming little plants; effective in small beds, baskets and edgings, grows freely in any soil. Hardy annual.

Red— $\frac{1}{2}$ footPkt. 5c



Thunbergia.

THUNBERGIA.

Handsome free-flowering and rapid growing climbers for the conservatory or out-door cultivation. Half-hardy annual.

Fine Mixed—White, orange, etc . . .Pkt. 5c



Double Zinnia.



VERBENA

A universal favorite, raised from seed sown in January or February will bloom abundantly during the summer and autumn of the same year. The plants are more robust in growth, and produce more flowers than those propagated from cuttings. Half-hardy perennial.

Choice Mixed $\frac{1}{4}$ oz. 40c, pkt. 5c

New Mammoth—The plants of this variety bloom freely and are vigorous in growth. The flowers are of the largest size and embrace all the best new colors and shades.

Mammoth WhitePkt. 10c

Mammoth PinkPkt. 10c

Mammoth ScarletPkt. 10c

Mammoth PurplePkt. 10c

Mammoth Mixed, all colorsPkt. 10c

Striped Italian—Very finePkt. 10c

Lemon Scented—The Lemon Verbena (*Aloysia citrodora*), is an old fashioned favorite with delightfully scented foliage. A sprig of it is often included in mixed bouquets. The leaves when dried will retain their fragrance for years. It is a low-growing, tender shrub, and may be grown in garden in summer and in pots in winter. Pkt. 10c

ZINNIA

Very handsome, free flowering plants, of great richness and variety of color, which have long been great favorites. The flowers measure 2 to 3 inches in diameter, and of various shades of color, embracing purple, deep rose, light rose, mottled rose, red, orange and buff; they resemble in their outline a fine double French Marigold, but much larger in size. Half-hardy annual.

Tall Double Mixedoz. 60c, Pkt. 5c

Dwarf Double Mixedoz. 60c, pkt. 5c

Double White..Pkt. 5c | **Double Scarlet**..Pkt. 5c

Giant Flowered—This variety forms a handsome bush, 3 feet in height, and the mammoth double flowers, measuring 5 to 6 inches across, are of most brilliant colorsPkt. 5c

Liliput Flowered—A charming new class, with small and very double flowers, excellent for bouquets; mixed colorsPkt. 5c

Crested and Curled—The flowers are large and double, the petals being twisted and curled into most graceful forms; all shades and color; finest mixedPkt. 5c

Collection of 6 finest double varieties, 50c.



Double Wallflower.

WALLFLOWER.

A well-known, fragrant plant. Half-hardy perennial.

Single Mixed Oz. 40c, Pkt. 5c
Double—Choice mixed; 2 feet Pkt. 10c

NEW ANNUAL WALLFLOWER.

Flowering the same season from spring-sown seed, their adaptability for pot culture, and outdoor planting, with their delicious, fragrant, light brown flowers should make these new annuals general favorites Pkt. 5c

VIOLET.

Well known fragrant spring flowering plants. Seed takes 3 to 4 months to germinate. Hardy perennial.

White Perpetual—Very pretty; ½ foot. Pkt. 10c
The Czar—Large flowered purple . . . Pkt. 10c

ORNAMENTAL GRASS SEEDS

are remarkably valuable for the formation of winter bouquets, wreaths and other ornaments, in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade. Those marked with the Asterisk are Perennial Species.

Agrostis Pulchella—Very beautiful . . . Pkt. 5c
Agrostis Nebulosa—The most elegant of ornamental grasses Pkt. 5c

Briza Maxima—One of the most ornamental grasses; perfectly hardy Pkt. 5c

*Bromus Brizæformis—Very fine grass, with elegant hanging ears Pkt. 5c

Briza Gracilis—Very beautiful variety from Cape of Good Hope Pkt. 5c

Coix Lachrymæ—(Job's Tears)—Broad, corn-like leaves and hard, shining pearly seeds; annual Pkt. 5c

Eragrostis Elegans—An elegant airy grass of dwarf growth Pkt. 5c

*Erianthus Ravennæ—Extremely elegant, resembling the Pampas Grass in appearance; its silvery white plumes are delicately beautiful; 7 feet Pkt. 5c

*Gynerium Argenteum—(Pampas Grass)—The most noble grass in cultivation; flowers second season; not quite hardy here, though we have kept plants safely by covering with leaves. Pkt. 5c

Lagurus Ovatus—(Hare's Tail Grass)—Small white plumes; 1 foot Pkt. 5c



Helichrysum—Everlasting.

EVERLASTINGS

The Everlasting Flowers are not only ornamental during the summer, but very attractive for winter decoration. They should be cut as soon as they come into bloom and dried in the shade, with the heads downward to keep the stems straight.

Acrolinum—Double mixed, white and rose. Half-hardy annual.

Globe Amaranth — (Gomphrena) — Double mixed. Hardy annual.

Helichrysum—Exceedingly effective, double flowers of most brilliant colors. Hardy annual.

Rhodanthe—Very handsome, rose and white mixed. Tender annual.

Xeranthemum—Double mixed; purple, yellow and white mixed. Hardy annual.

Any of the above, pkt. 5c.

Special Mixture of Flower Seeds for Wild Flower Gardens

These mixed flower seeds embrace a great variety of such easy growing and pretty flowers suitable for forming a wild flower garden. They are very useful for sowing in almost any odd corner of the garden or grounds, and if kept free from weeds can be made to produce a continual display of bloom during the summer. Pkt. 10c, ½ oz. 20c, oz. 30c.



Pennisetum.

Pennisetum Longistylum — Graceful greenish-white plumes, excellent for beds; 2 feet. Pkt. 5c

Pennisetum Rueppelianum— (Purple Fountain Grass)—Green foliage and purplish plumes, unequalled as an edging to Cannas or other tall plants; 3 feet Pkt. 5c

*Stipa Pennata—(Feather Grass)—Magnificent, but rather difficult to grow without heat . Pkt. 5c

FLOWERING BULBS

GLADIOLUS FOR SPRING PLANTING

There are few flowers which produce such a gorgeous effect as this magnificent autumn flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. Their great wealth and variety of color, the richness of their markings, and size of the flowers and profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or growing as single specimens.

Culture—Gladiolus are of the easiest culture. The bulbs may be planted any time from the 24th of May to the middle of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

Bulb prices are here; add for postage on Gladiolus, when going by mail, 2c each, 12c dozen, 60c for 100. Where there are Express Offices, this is the cheapest way to send lots of 50 and over.

MIXED GLADIOLUS.

Bruce's Superb Mixture—This splendid mixture is made up by ourselves, and includes Groff's magnificent hybrids, and Childs'. 10 for 60c, 25 for \$1.35, \$5.00 for 100.

Groff's Hybrid Seedlings—A good mixture of blooming bulbs. 10 for 40c, 25 for 75c, \$2.50 per 100.

Childs' Mixed—A very superior mixture. 10 for 60c, 25 for \$1.25, \$4.50 per 100.

Choice Mixed—A satisfactory mixture, strong flowering bulbs. 10 for 30c, 25 for 65c, \$2.00 per 100.

Bruce's White and Light Shades—Fine, specially for florists. 10 for 50c, 25 for \$1.00, \$3.50 for 100.

Bruce's Special Florists' Mixture—Whites and Pinks. 10 for 60c, 25 for \$1.35, \$5.00 for 100.



Mixed Gladiolus.

COLLECTIONS OF GLADIOLUS

The following 10 collections are all grown from stocks of H. H. Groff, the famous Canadian specialist, the greatest authority and introducer of Gladiolus of the present day, and to whom was awarded the gold medal at the World's Fair, St. Louis, and Pan-American Exhibition, Buffalo.

WORLD'S FAIR SECTION.

	Each	10	25
Collection A—Newest shades in white and light colors	11c	\$1 00	\$2 25
Collection B—Newest shades in reds and crimsons	11c	1 00	2 25
Collection C—Newest shades in blues	11c	1 00	2 25
Collection D—Newest shades in yellows	11c	1 00	2 25
Collection E—Above 4 mixed	11c	1 00	2 25

PAN-AMERICAN SECTION.

	Each	10	25
Collection F—New shades in white and light colors	8c	\$0 70	\$1 50
Collection G—New shades in reds and dark colors	8c	70	1 50
Collection H—New shades in blues	8c	70	1 50
Collection I—New shades in yellows	8c	70	1 50
Collection K—Above 4 mixed	8c	70	1 50

GRAND NAMED GLADIOLUS

America—Exquisite soft lavender pink, the most beautiful color yet seen in Gladiolus. Grand long erect spikes, the best florists' variety and a beautiful bedding sort. 7c each, 10 for 60c, 25 for \$1.25.

Attraction—Deep, dark, rich crimson, with a very conspicuous large pure white centre and throat; splendid for florists. 8c each, 10 for 70c, 25 for \$1.50.

Augusta—A fine white with blue anthers. 8c each, 10 for 70c, 25 for \$1.50.

Blue Jay—Finest blue Gladiolus yet seen. It is a rich, deep blue color, of an indigo blue. 10c each, 10 for 90c, 25 for \$2.00.

Blue Vista—A unique variety, quite different from any other. The blooms are good size and the color a clear, glistening snow white, with deep Iris blue markings in throat, making a very beautiful combination. 17c each, 10 for \$1.60, 25 for \$3.75.

Cardinal—Perfect flowers and spike, very large, of the brightest and most intense cardinal scarlet. Very rich and showy, and the very finest high colored sort yet seen. 25c ea., 10 for \$2.25, 25 for \$5.00.

Ceres—Pure white, spotted with purplish rose. Splendid variety for cut flower trade. 7c each, 10 for 60c, 25 for \$1.25.

Dawnray—Long spikes. Deep rose color, with large pure white centre. Exceptionally beautiful. Very vigorous grower. 17c each, 10 for \$1.60, 25 for \$3.75.

Dazzler—Magnificent large Princeps-like flowers of vivid salmon-scarlet, with throat blotch on the lower petals of red-orange, further ornamented with carmine-lake flakes; fine long spike, well filled. 25c each, 10 for \$2.25, 25 for \$5.25.

Irene—Fine large flowers and spike. Color a fine shade of pink, flaked bright crimson. Fine florists' variety. 12c each, 10 for \$1.10, 25 for \$2.50.

Isaac Buchanan—A fine yellow. 12c each, 10 for \$1.10, 25 for \$2.50.

Fire King—Long graceful spikes, showing half a dozen immense blooms open at the same time. Color intense fire scarlet. More brilliant than any other variety. A splendid variety; will become the leading cut flower variety of its color. 30c each, 10 for \$2.75.

Halley—The color is delicate salmon-pink, with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the centre, producing a delightful effect. Very early. 10 each, 10 for 90c, 25 for \$2.00.



Princeps.

Mrs. Francis King—One of the best florists' sorts, with large flowers and stalk, and handsome appearance. The color, brilliant flamingo pink, blazed with vermilion red, is most effective, both in daylight and artificial light. 7c each, 10 for 60c, 25 for \$1.25.

Morning Star—Flowers snowy white, with a large, rich, velvety crimson throat. Exceedingly striking and beautiful, and the earliest to bloom of all. Each 25c, 10 for \$2.25, 25 for \$5.00.

Niagara—The flowers measure $4\frac{1}{2}$ inches across. The color is a delightful cream shade, with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals also. The stamens are purple and the stigmas pale carmine, relieving the creamy effect of the petals. The lower spike is erect and stout, and is wrapped with broad, dark green foliage. 17c each, 10 for \$1.60, 25 for \$3.75.

Octoroon—A beautiful salmon pink, very distinct, fine for florists. 14c each, 10 for \$1.30, 25 for \$3.00.

Princeps—(The Amaryllis-flowered Gladiolus)—Color rich crimson, with broad white blotches across the lower petals, making a most striking variety. A magnificent spike covered with bloom, the flowers being 5 inches across. 12c each, 10 for \$1.10, 25 for \$2.50.

Peace—One of the grandest Gladioli. The plant is striking and attractive, with tall erect stalk or spike; flowers of beautiful form; a magnificent white, with pale lilac feathering on the interior petals. 17c each, 10 for \$1.60, 25 for \$3.75.

Rosy Spray—White, beautifully sprayed rose. Large and fine. One of the very best. 12c each, 10 for \$1.10, 25 for \$2.50.

Sulphur King—Beautiful clean sulphur yellow, finest and clearest of yellow sorts. 25c each, 10 for \$2.40, 25 for \$5.75.

Scribe—A beautiful, large, well-opened flower, and an enormous spike. Color like the fine old Eugene Scribe, tinted white, freely striped carmine. Each 12c, 10 for \$1.10, 25 for \$2.50.

Shakespeare—White, very slightly suffused with carmine-rose; large rosy blotch. Each 12c, 10 for \$1.10, 25 for \$2.50.

Wm. Falconer—Spike of great length and flowers of an enormous size. Beautiful clear, light pink. Fine florists' variety. 20c each, 10 for \$1.90, 25 for \$4.50.

Wild Rose—Very bright rose of blush tint. Exceedingly delicate and pretty. Splendid for florists. 14c each, 10 for \$1.30, 25 for \$3.00.

1 each of above fine collection, 31 for \$4.50.

1 each of 12 of above, our choice for \$1.00.

GRAND NAMED GLADIOLUS—Continued

Jessie—Long Spikes, flowers fine, velvety red. 10c each, 10 for 90c, 25 for \$2.00.

Kunderdi Glory—A delicate cream pink, with a most attractive crimson stripe in the centre of each lower petal. It is quite distinct from other varieties, owing to the petals being exquisitely ruffled and fluted. 14c ea., 10 for \$1.30, 25 for \$3.00.

Lady de Walden—Beautiful flower; a fine yellow. 12c each, 10 for \$1.10, 25 for \$2.50.

La Luna—The large, heavy buds open as pale yellow changing to nearly white when expanded. Splendid. 25c each, 10 for \$2.25, 25 for \$5.00.

May—A lovely pure white flower, finely flaked bright rosy crimson. Splendid variety for cut flower trade. 8c each, 10 for 70c, 25 for \$1.50.

Mephistopheles—Flowers of large size, dark red, stained with black and yellow. 17c each, 10 for \$1.60, 25 for \$3.75.



Kunderdi Glory.

DOUBLE TUBEROSE

The fragrance and beauty of the Tuberose has made it a favorite with all. It keeps in bloom for a lengthened period, and its pure white, wax-like flowers are produced on long spikes. Plant in the open ground in May; the bulbs can be started much earlier in pots if desired. Place in a sunny spot in a rich soil and cover the top of the bulbs to the depth of an inch.

The Pearl—Large flowering roots, first size. Each 5c, per dozen 30c, per 100 \$2.00.

Single, Orange-Scented—A fine early sort, with beautiful orange-like flowers. 5c each, doz. 40c, \$3.00 per 100.

Single Albino—Early bloomer, dwarf habit, flowers waxy-white, single, fragrant. 5c each, dozen 40c, \$3.00 for 100.

Add for postage, when going by mail 2c each, 12c dozen, 60c for 100.

DAHLIAS

We offer below a superb collection of the leading varieties, specially grown for us. Plant when the ground is dry and warm, from middle of May to middle of June, in rich, loamy soil, at a distance of not less than $2\frac{1}{2}$ to 3 feet, water frequently after planting and tie to stakes. A little thinning out will produce larger blooms. After foliage is cut down by frost, take up the roots, store in a cool, dry cellar, free from frost. In the spring they can be divided and replanted.



SUPERB DOUBLE SHOW AND FANCY DAHLIAS.

Alice Emily—Good rich yellow, large, perfect shape.

Bird of Passage—Very attractive, faintly suffused and tipped deep carmine rose.

Cuban Giant—Bright maroon, very large, early.

Gilt Edge—Pure white, with deep gold margin.

Hero—Crimson maroon, very effective.

Keystone—Pink striped crimson, large flower.

Le Phare—Fine bright red, long stems.

Lieberheimer—Red, tipped white, free flowering.

Penelope—White flaked lavender, one of the best.

Queen Victoria—Canary yellow, free flowering.

Red Hussar—Cardinal red, large blooms on long stems.

Ruby Queen—Ruby red, richly shaded, profuse bloomer.

White Swan—Pure white, good form.

CACTUS DAHLIAS.

A very popular variety, their many forms and colors being decidedly attractive.

Flora—The ideal white for cutting.

General Buller—Deep maroon, tipped white.

Miss D. Oliver—Primrose yellow, growing lighter towards tips.

Oscar—A pleasing shade of crimson.

Purple Gem—Deep purple, fine form.

Thuringia—Very bright red, good shape and habit.

DECORATIVE DAHLIAS.

Atlas—Beautiful maroon color, large bloom.

Catherine Duer—Rich, glowing red, large flower.

Electric—Red, very brilliant.

Henry Patrick—Large, pure white.

Jack Rose—Bright velvety red, medium size flower, very free bloomer.

Jumbo—Deep scarlet, rich color and very large bloom.

Maid of Kent—Cherry red, tipped white.

Nympha—Clear shrimp pink.

Oban—Very large, rosy lavender, overlaid with delicate silvery fawn.

Rayon d'Or—Orange, striped white.

Sylvia—Centre white, shading to soft pink.

Wm. Pierce—Bright yellow, large.

POMPON DAHLIAS.

Produce small, very double flowers, on bushes about $2\frac{1}{2}$ feet in height. Ideal flowers for bouquet work.

Alewine—Maroon, very effective.

Catherine—Pure yellow, very free bloomer.

Philip Freud—Rich orange salmon, perfect flowers.

SINGLE DAHLIAS.

Alba Superba—The best single white, flowers on long stems.

Ami Barrillet—Rich garnet flowers with maroon foliage, a valuable variety.

Twentieth Century—Rosy carmine, tipped white.

COLLARETTE DAHLIA.

Maurice Rivoire—Rich crimson, with pure white collar.

Prices—NAMED DAHLIAS—Unless otherwise stated, 20c, dozen \$2.00. By mail, postpaid, 25c, dozen \$2.50.

Prices—MIXED DAHLIAS—15c, dozen \$1.20. By mail, postpaid, 20c, dozen \$2.00.

Express is the cheapest way to send 6 or more Dahlia Bulbs where there are express offices.



Lennox Hand Sprayer, 70c, postpaid.

GLOXINIAS and TUBEROUS BEGONIAS

Our stock of these beautiful and interesting plants is from a celebrated Continental grower, and can be recommended with confidence. The Begonias make splendid plants for outdoors. Start in pots inside in March or April, and plant out in June. They require lots of water and to be planted in the shade. We offer dormant flowering bulbs of the following:

	Each.	Per doz.
Gloxinias—Separate colors, White, Scarlet with white Throat, Tigered and Spotted ..	20c	\$2 00
Gloxinias—Mixed colors ..	15c	1 50
Begonias—Single, separate colors, White, Pink, Crimson, Scarlet and Yellow ..	15c	1 50
Begonias—Single, mixed colors ..	10c	1 00
Begonias—Double, separate colors, White, Pink, Crimson, Scarlet and Yellow ..	20c	2 00
Begonias—Double, mixed colors ..	15c	1 50
Begonias—Fringed—The edges are like Californian Giant Petunias, Scarlet, White		
Pink, Yellow ..	20c	2 00

Add for postage, 1c each.



Gloxinias.

BEAUTIFUL LILIES

Lilies have long been celebrated for their rare and chaste beauty. They are handsome ornaments, either in the greenhouse, or in open borders. The soil for border varieties need only be good garden loam, well mixed with sand. Most varieties require a light covering in the winter.

Auratum, Golden Japan Lily—White ground with purple spots, flaked and striped with gold. Each 20c; per dozen \$1.80.

Batemanniae—A Japanese lily, growing from 3 to 4 feet high, and producing bright apricot tinted flowers. Flowers in July. 25c each.

Elegans, Mixed—Many beautiful varieties, which for masses of color in the open garden are unsurpassed. All are early flowering, blooming in June or July. They are very hardy and grow and thrive under almost any condition. 15c each, \$1.50 dozen.

Henryii—A tall, vigorous variety, covered with bloom, flowers a beautiful orange-yellow, banded green, hardy and easy to grow. 60c each, \$6.00 dozen.

Lancifolium—These hardy lilies make splendid border plants. **Album**, white, 25c each, \$2.40 doz.

Rubrum, red, 20c each, \$1.80 per doz. **Melpomene**, white, spotted crimson, 20c each, \$1.80 per dozen.

Longiflorum (Multiflorum)—Large, quite hardy and beautiful in the open ground, blooming in June and July. Flowers snow-white, trumpet shaped and very fragrant and free flowering. First size, 25c each, \$2.40 per dozen. Second size, 20c each, \$1.80 per dozen.

Pardalinum (Leopard)—Scarlet and yellow, spotted brown. 20c each, \$1.80 dozen.

Superbum—Brilliant orange-red, 3 to 5 feet high, covered with bloom, flowers in July. 20c each, \$1.80 dozen.

Tenuifolium (Coral Lily)—One of the earliest and best of lilies; it bears in profusion medium sized flowers of perfect form and of a dazzling orange-scarlet. 20c each, \$1.80 dozen.

Tigrinum Splendens (Improved Tiger Lily)—Very large flowers; orange-salmon, spotted black; 3 to 5 feet. August. 15c each, \$1.50 per dozen.

Tigrinum Flore Pleno (Double Tiger Lily)—This is a plant of stately habit, growing from 4 to 6 feet high, bearing an immense number of bright orange red flowers, spotted with black. August. 15c each, \$1.50 per doz.

Umbellatum—A favorite, different colors, blooms in July. 20c each, \$1.80 per dozen.

Wallacei—Flowers of rich vermilion orange, spotted raised maroon dots; autumn flowering; thrifty grower and highly satisfactory. 20c each, \$1.80 dozen.

Add for postage on Lilies 3c each, 25c per dozen.

COLOCASIA (Caladium)**ESCULENTUM (Elephant's Ear)**

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in large pots or tubs, or for planting out on the lawn. Extra large, 20c each; \$1.80 per doz. Postpaid 8c each extra. Large, 12c each, \$1.20 per doz. Postpaid 5c each extra. Good, 10c each, \$1.00 per dozen. Postpaid 3c each extra. Fancy leaved varieties, 20c each, \$2.00 per dozen. Postpaid 2 cents each extra.

PLANT STAKES FOR DAHLIAS, ETC.

We offer Bamboo Canes for staking plants, as follows: Light weight, 3 ft. tall, at 70c; medium weight, 6 feet tall, at \$1.20; strong, 8 ft. tall, at \$1.50; 10 ft. tall at \$2.00 per 100; dyed green, 1½ ft., 60c; 2½ ft. 80c; 3 ft. \$1.00 per 100; also Painted Wooden Stakes, 6 inches tall, at 35c; 8 inches tall at 60c; 10 inches tall at 65c; 12 inches tall at 75c per 100 here. Require to go by express.



Begonias.

MISCELLANEOUS BULBS, ETC.

Amaryllis Formosissima—Has odd-shaped, beautiful dark scarlet flowers, is free blooming. 20c each, \$2.10 doz. Postpaid 25c each, \$2.40 doz.

Apios Tuberosa—(Tuberous Rooted Wistaria)—Clusters of rich deep purple flowers, which have a strong, delicious violet fragrance. Tubers 10c each, \$1.00 dozen. Postpaid 1c each extra.

Cinnamon Vine—(Chinese Yam)—Splendid hardy climber of rapid growth, with bright green foliage, heart-shaped leaves and white cinnamon scented flowers. Roots 10c each, \$1.00 dozen. Postpaid 1c each, extra.

Chlidanthus Frangans—Resembles an Amaryllis, but starts growth and blooms as soon as potted; flowers are large, bright golden yellow, and borne in elegant clusters, deliciously sweet. 15c each, \$1.50 dozen. Postpaid 20c each, \$1.80 dozen.

Calla Elliottiana—This is the great new Yellow Calla of marvellous beauty. Flowers are large, rich, dark golden yellow, often 4 to 5 inches across the mouth; leaves are beautifully spotted with white. 40c each. Postpaid 45c each.

Calla Aurata—(Lemon Calla)—New and fine, the flowers being a beautiful, light lemon yellow, with a jet black center, therefore very conspicuous and showy. Its foliage is large and handsome, deep green, freely spotted white. 25c each. Postpaid 30c each.

Emerald Vine—This beautiful new vine belongs to the same family as the well known Cinnamon Vine. The vines are of slender growth and very graceful, and produced in dense masses. Foliage of good size and forked or divided, of a deep, emerald green, with a decided lustre or sheen rarely seen on any foliage. Tubers round and solid like a Gladiolus bulb. 10c each, \$1.00 dozen. Postpaid 1c each extra.

Madeira Vine—A well known climber. Roots 10c each, \$1.00 dozen. Postpaid 1c each extra.

Hyacinthus Candicans—This is a magnificent Yucca-like hardy plant, producing in July and

August a flower from 3 to 4 feet high, surrounded by a grand spike of numerous pendant bell-shaped, snow-white flowers. If planted about nine inches deep it will remain uninjured by the severest winter. 10c each, \$1.00 dozen. Postpaid, 15c each, \$1.30 dozen.

Isimine—The flowers are of very large size, like an Amaryllis, novel form and of snowy whiteness, and are also exceedingly fragrant. It is really one of the most lovely of all the great Amaryllis tribe, having a peculiar grandeur which one can appreciate at sight, but cannot describe. Bulbs begin to flower in two or three weeks after planting. 20c each, \$2.10 dozen. Postpaid 25c each, \$2.40 dozen.

Lycoris Squamigera (Amaryllis Halli) (Magic Flower)—Produces in early spring attractive green foliage which grows until July, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later as if by magic the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers 3 to 4 inches across and from 8 to 12 in number, of a delicate lilac pink, shaded with clear blue. Hardy. Cover 4 inches. 25c each, \$2.40 dozen. Postpaid 30c each, \$2.70 dozen.

Milla Biflora—(Mexican Star of Bethlehem)—One of the loveliest and most desirable bulbs. The flowers are nearly 2½ inches in diameter, of a pure waxy white color. 15 each, \$1.50 dozen. Postpaid 2c each extra.

Montbretia—A summer-flowering bulbous plant with brightly colored flowers, borne on long, graceful spikes. Valuable for cutting. Mixed varieties, several colors, 10c each, \$1.00 dozen. Postpaid 2c each extra.

Zephyranthes (Fairy Lilies)—Very beautiful little plants. Mixed colors, rose, white and yellow. 15c each, \$1.20 dozen. Postpaid 2c each.

Electric Insect Exterminator—It is the most economical device for effectually applying powder with little labor. The powder is put in the machine through the opening in the side, and when the handles are worked the force of the compressed air expels it so that it is spread evenly over the plants. The handles are adjustable, so that the machine will work upwards under the leaves of the plants. It only requires 1 lb. of Paris Green to do an acre of potatoes; no water required. 1.25 each, or \$1.50 postpaid.

See illustration above Daisy Hand Seeder.

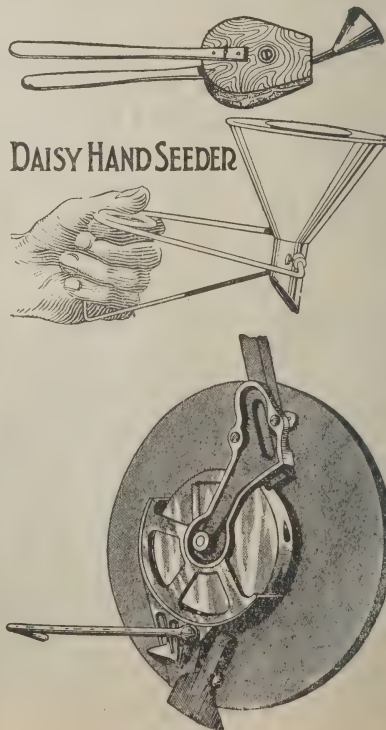
Daisy Hand Seeder—For use in hot beds and small gardens, very handy and adjusted to sow various sized seeds. It sows the seed and covers it. 75c each, postpaid \$1.00.

Eureka Seed Drill—For kitchen garden and hot beds only. It sows and covers beets, cabbage, carrot, celery, lettuce, onion, radish, spinach, turnip seeds and flower seeds with the greatest regularity. Splendid for hot beds. Sows close to the sides in straight rows. Not a toy, but a strong, practical machine that will last and give satisfaction. \$1.25 each; postpaid \$1.75.

Spratt's Dog and Puppy Cakes—These are invaluable, and the best British make dog cakes. In cartons, 14 oz. 15c. In bulk, 8 lbs. \$1.00; 2½ lb. cartons, 35c; 5 lb. bags 60c each. Puppy Cakes, in cartons, 11 oz. 15c. In bulk 7 lbs. \$1.00; 2½ lb. cartons, 35c; 5 lb. bags 65c.

MAILING CONDITIONS.

Our postal arrangements enable us to forward Seeds, Bulbs and Plants to any Postoffice in the Dominion of Canada, Newfoundland, etc., in fact all over the world, and our careful system of packing will carry them with safety to the most distant points, giving purchasers in the remotest districts the opportunity of procuring reliable seeds at reasonable prices when far removed from source of supply.



Eureka Seed Drill.

PLANT DEPARTMENT

The Provincial regulations in the Provinces of British Columbia and Nova Scotia in regard to nursery stock are such that we consider it impracticable to ship there. Will our customers in these provinces kindly note this and confine their orders to Bulbs, Seeds, etc.?

Add for postage 25 per cent. of amount of order. For all orders of 40c and under the postage will be 10c. It will be noted some plants can only be sent by express, which is the most satisfactory way, and the cheaper, except for a small order.

BY EXPRESS—We recommend customers to order their plants by express whenever it is possible, as the stock we send is larger and is shipped so as to protect the roots more carefully.

SAFE ARRIVAL GUARANTEED—We guarantee all plants to arrive in good condition. Any complaints must be made within one week after the plants have been received. We will then replace any which many not have arrived in good growing condition, but we cannot be held responsible for plants dying afterwards from neglect or any other cause. We do not pay express or freight charges.

ABUTILONS—Flowering Maples.

Always popular for pots, vases and baskets. Their flowers are perfectly bell shaped, and appear in masses of color.

Eclipse—Trailing habit, flower yellow and brown, foliage green, spotted yellow. 20c.

Savitzi—The large, deep green foliage, with a broad white margin, makes a fine contrast; of dwarf, compact growth. 20c.

ASPARAGUS.



Asparagus P. Nanus.

for house culture. 15c, 20c and 25c.

Plumosus Nanus
—Climbing Lace Fern — A most graceful plant, with bright green, gracefully arched foliage, beautiful decorative plant. 20c, 25c and 35c.

Sprengeri—Especially useful as a pot plant for suspended baskets; fronds are frequently four feet long, of a rich shade of green, excellent

ARAUCARIA.

Excelsa—(Norfolk Island Pine)—This beautiful house plant resembles the Pine somewhat in appearance, though much finer in texture. By express, \$1.00 and \$1.50.

Plumosa—Somewhat similar to the Excelsa, but with larger leaves, finer and prettier foliage. By express, \$1.25 and \$1.75.

BEGONIAS—Flowering Varieties.

Gloire de Chatelaine—This begonia can be grown either in the house or garden. If planted outside and potted in September it will bloom during the winter. Flowers are clear pink in color. 30c and 40c.

Perle de Geneve—In the same class as the preceding variety, but flowers are bright coral red in color. 30c and 40c.

Semperflorens—Vernon—A strong growing variety with deep scarlet bloom. If planted out the foliage turns rich bronze in color. 20c and 30c.

CHRYSANTHEMUMS.

Chieftain—Midseason, clear pink, incurved.

Early Snow—Pure white, perfect form.

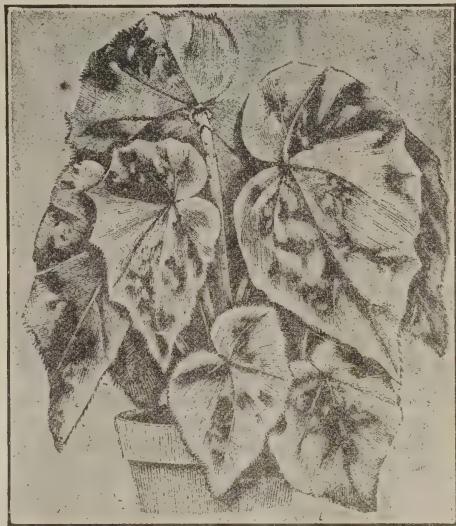
Golden Glow—Early, large, yellow, incurved.

Harvard—Dark crimson, late.

Mrs. E. W. Buckingham—Single, rose-pink.

Unaka—Early, pleasing shade of pink.

20c each, 3 for 50c. Set of 6 for 90c.



Begonia—Flowering.

CANNAS.

Beautiful Bedding Plants.

Dormant Roots 10c, dozen \$1.00, except where priced.

Strong plants, ready for planting out, for shipment in May, by express only, 25c, dozen \$2.50, except where priced.

Austria—5 ft., canary yellow, orchid flowered.

Beaute Poitevine—3 ft., bright crimson.

Buttercup—3 ft., pure yellow, a striking variety.

Cinnabar—4 ft., red, golden edged.

Duke of Marlborough—4½ ft., dark crimson.

J. D. Eisele—3½ ft., bright vermilion scarlet, overlaid with orange.

King Edward—5 ft., bright red; strong grower.

King Humbert—4 ft., bronze leaf, large orange-scarlet flowers.

Mlle. Berat—3½ ft., exquisit shade of pink.

Mrs. Karl Kelsey—5 ft., orange-scarlet, large flowers.

Musafolia—6 ft., foliage dark green, tinged bronze-red flower.

Richard Wallace—4½ ft., canary-yellow.

Sen. Viger—5 ft., dark crimson, very showy.

CLIMBING PLANTS.

Cobaea Scandens—Cup and Saucer Vine—A climber of rapid growth, with large purple flowers, unsurpassed for covering arbors, etc. 15c, dozen \$1.50.

Ipomaea—(Moonflower)—The well known popular vine, white flowers. 15c, dozen \$1.50.



Cyclamen.

COLEUS.

Beautiful foliage plants, splendid for bedding. 15c, dozen \$1.50, per 100 \$8.00, by express.

Beckwith Gem—Crimson-maroon, bordered green and gold.

Blizzard—Bright red, yellow margin.

Firebrand—Maroon, shaded crimson.

Golden Bedder—The standard yellow variety.

Louis Beck—Chocolate brown.

Spotted Gem—Yellow, freely spotted with chocolate.

Trailing Queen—A grand variety for hanging baskets and window boxes.

CYCLAMEN.

Giant Flowered—Beautiful winter blooming plants; most satisfactory for house culture; rose, white, salmon and crimson. 20c.

DRACAENA INDIVISA.

A favorite plant for house or garden decoration. 25c and 35c.



Whitmani Fern.

FUCHSIAS.

15c, 3 for 40c.

Black Prince—Deep rose-pink, single.

Speciosa—Good pink, single.

Trophee—Double, purple, superb variety.

FERNS.

Prices 25, 35 and 50c. Specimen plants \$1.00, \$1.50 and \$2.00 by express.

Boston Fern—A wonderfully healthy, rapid growing and graceful house plant.

Elegantissima Compacta—Ostrich Plume Fern—A very fine crested fern with broad, plume-like fronds.

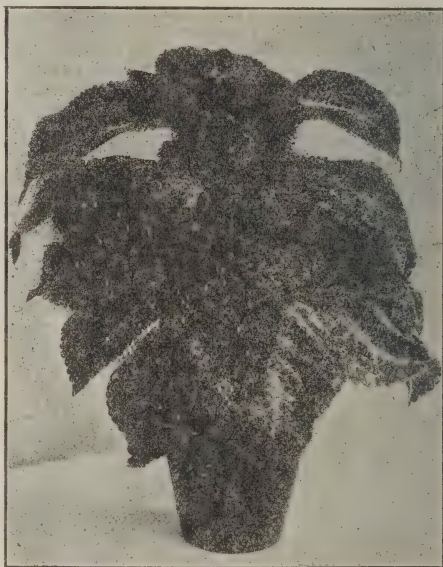
Roosevelt—The Wavy Boston Fern—This variety attracts much attention on account of its compact habit and graceful form. The color is intense green and the fronds are beautifully waved.

Teddy Junior—Similar to Roosevelt, but more compact in habit. This variety is a great acquisition.

Whitmani—The Improved Ostrich Plume Fern—Not only are fronds of this variety finely divided, but being heavily fringed the plant has a very dense appearance. The color is a vivid green.

FERNS FOR FERN DISHES.

We have at all times a good collection of varieties suitable for this purpose, including many of the Pteris and Holly Ferns. 20c, 3 for 50c.



Coleus.

HELIOTROPE.

Dark Blue, Light Blue—Fragrant. 15c, 3 for 40c.

HYDRANGEA HORTENSIS.

Prices 30c, 40c and 50c.

Avalanche—White, large flowers.

Bouquet Rose—Bright pink.

Mme. A. Riverain—Soft rose, strong.

Mme. Maurice Hamar—Flesh color.

IVY.

German or Parlor Ivy—Rapid growing, well adapted for window boxes, etc. 15c, dozen \$1.50.

LOBELIA.

Kathleen Mallard—Large double flowers, rich deep blue in color. 15c, 2 for 25c, dozen \$1.25.

Bruce's Single—Dark blue with white eye, excellent for bedding purposes. 15c, 2 for 25c, dozen \$1.25.

GERANIUMS**Best Double Sorts.**

Beaute Poitevine—Salmon pink.
 C. Morel—Enormous trusses, glowing scarlet.
 Mme. H. Buchner—One of the best whites.
 John Doyle—Soft scarlet, trusses large size.
 Marquis de Castellaine—Bright red, fine bedder.
 S. A. Nutt—Dark crimson, finest of its color.

Best Single Sorts.

Dryden—A grand bedder, bright rosy red, with large white blotches.
 Gertrude Pearson—Pure rose pink, with white blotch.
 Mrs. E. G. Hill—Salmon pink, large truss.
 John P. Cleary—Deep orange-scarlet.
 Each 15c, dozen \$1.50.

IVY LEAVED GERANIUMS.

Splendid variety, different colors, 15c, dozen \$1.50.

SWEET SCENTED GERANIUMS.

Our collection contains Rose, Balm, Lemon and other sweet scented varieties. Each 20c, dozen \$2.00.

SILVER LEAVED GERANIUMS.

Wm. Languth—Double bright red flowers. Silver Leaved
 S. A. Nutt—Double crimson flowers. Mme. Sallerai—Silver foliage only. Each 20c, dozen \$2.00.

**Wm. Languth Geranium.**

Cuphea—Cigar Plant—Scarlet flowers, suitable for rockeries and baskets.

Gnaphalium—Effective silver foliage.

Salvia—Scarlet flowers, favorite bedding plants.

Tradescantia—Variegated and green trailing plants.

Vinca—Variegated and green trailing plants.

Assorted Plants, for Hanging Baskets, Vases and Window Boxes, dozen \$1.20, 100 \$8.00, by express.

BOXWOODS.

Boxwoods make beautiful specimen plants in any form and can be used successfully for verandah or garden decoration. The Bush varieties are also effective for window boxes or vases.

Prices on Pyramid Shaped include green painted tubs. Bush Shaped are not supplied in tubs.

Pyramid-Shaped.

2½ feet high, 13-14 inch base, per pair \$ 6 00

3 feet high, 15-16 inch base, per pair 8 50

4 feet high, 18-20 inch base, per pair 12 00

Bush-Shaped.

12 inches high, each 50c; 18 inches high, each \$1.00; 24 inches high, each \$2 00.

**S. A. Nutt Geranium****MARGUERITES.**

Single Daisy—Good for partially shaded positions. 15, 3 for 40c, dozen \$1.25.

PELARGONIUMS.

Lady Washington Geraniums—Well adapted for pot culture, flowers large and showy. 20c, 3 for 50c.

PETUNIAS.

Bruce's Double Fringed—Finely fringed varieties in a large number of colors, useful either for bedding or as a pot plant. 20c, 3 for 50c.

PRIMULA.

Obconica Gigantea—This variety is in bloom the greater part of the year, producing trusses of large, fringed flowers in many shades of color. 20c

Sinensis—Chinese Primula—Charming plants for winter and spring decoration in the house. 20c.

MISCELLANEOUS.

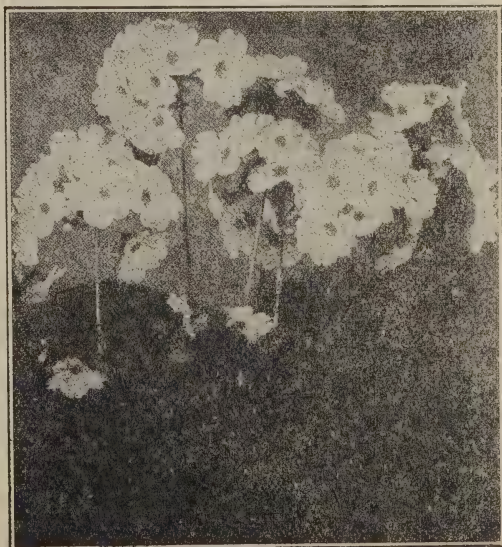
For bedding, hanging baskets, etc. 15c, 3 for 40c, dozen \$1.20.

Achrysanthes—Red foliage.

Ageratum—Dwarf plants, deep blue flowers.

Alternanthera—Red and yellow. For carpet beds and borders.

Alyssum—Double white flowers.

**Primula Obconica.**



Roses

Bruce's Select List

BRIEF DIRECTIONS FOR PLANTING ROSES.

When to Plant—Dormant plants should be planted as early in the spring as possible. **Location**—Roses should be planted in an open, sunny situation. **Soil**—Roses grow well in any good garden soil. A liberal amount of manure and good cultivation will improve both bloom and fragrance. **Planting**—Plant budded roses three inches below the bud, press earth tightly down on roots; water well after planting; mulch with coarse, strawy manure. **Pruning**—Prune Hybrid Perpetuals in March, and Hybrid Teas in April. The weaker the plant the more vigorously it should be pruned. **Protection**—Roses are better with winter protection. This can be done by hilling earth around them, about eight inches high; or by strawy manure, leaves, etc. It should be removed early in spring.

We bud our roses on Manetti stock, finding from experience that most varieties grown this way adapt themselves to a wider range of climate and soil, and bloom, perhaps, more profusely, as well as to make stronger plants. Our roses are grown out of doors in ordinary soil, and they are as hardy and vigorous as it is possible to make them. Those marked "F" are specially recommended as fragrant. All these varieties are selected from the best roses grown, and they can be highly recommended.

HYBRID PERPETUALS.

Anne de Diesbach (F) — Rosy carmine, large, very fragrant, vigorous grower.

Alfred Colomb (F)—Vigorous; brilliant carmine crimson, very large and globular; high centre.

American Beauty (F)—Large, globular; pink, shaded with carmine.

Baron de Bonstetten—Rich, velvety maroon.

Baroness Rothschild — Vigorous; delicate pink suffused white; large, globular, beautiful.

Ben Cant (F)—Vigorous, deep clear crimson, slightly flushed in centre.

Charles Lefebvre (F)—Robust, rich, velvety crimson scarlet; very large, excellent form.

Clio (F)—Vigorous; flesh color; large globular, very free bloomer.

Captain Hayward—Vigorous; bright carmine crimson; fine form; bud long, pointed.

Coquette des Alpes (F)—White, shaded with carmine; small flowers in clusters. A continuous bloomer.

Dupuy Jamain (F)—Vigorous; very bright cerise; large, full and fine form; a distinct variety, and thoroughly reliable.

Duke of Edinburgh—Very vigorous; bright vermilion; large and full; splendid variety.

Duke of Albany (F)—Vigorous; deep pink; very full and highly perfumed.

Earl of Dufferin (F)—Vigorous; rich, brilliant, velvety crimson, shaded with dark maroon;

Fisher Holmes—Vigorous; crimson scarlet; large and full; free bloomer.

Frau Karl Druschki—Very vigorous; snow white petals, shell shaped; very large; opening well.

General Jacqueminot (F)—Vigorous; brilliant crimson scarlet; large and full; very fragrant.

Helen Keller—Vigorous; brilliant rose-cerise; petals large, shell shaped, of great substance; large and fragrant.

Hugh Dickson—Vigorous; brilliant crimson, shaded scarlet, centre high and pointed.

John Hopper—Very vigorous; bright rose; very large and well formed.

Jean Liabaud—Vigorous; rose-lilac; large and symmetrical.

Lady Helen Stewart (F)—Vigorous; bright crimson scarlet; large, full and highly perfumed.

Mrs. R. G. Sharman Crawford (F)—Vigorous; deep, rosy pink, outer petals shaded pale flesh, white at base; an exceedingly fine rose.

Mabel Morrison—White; full and cup shaped; petals firm.

Madame Plantier—Vigorous; white; full form and a profuse bloomer.

Marshall P. Wilder—Vigorous; cherry carmine; profuse bloomer over an extended period.

Mad. Gabriel Luizet (F)—Very vigorous; fine satin rose of beautiful tint; large and full.

Mrs. John Laing (F)—Vigorous; soft pink; very large and abundant bloomer; one of special merit.

Merveille de Lyon—Pure white, tinted pink in centre; very large.

Magna Charta—Vigorous; bright pink; large and full and early in season.

Margaret Dickson—Vigorous; white, with flesh centre; petals very large, shell shaped and of immense substance; extra fine—Gold Medal National Rose Society.

Prince Camille de Rohan—Vigorous; rich, deep velvety crimson; large, full and fine form.

Paul Neyron (or Neron)—Vigorous; deep rose and very large, with fine foliage.

Ulrich Brunner—Vigorous; cherry crimson.

Prices of above, 40c each; \$4.00 per doz.

HYBRID TEA ROSES.

Gruss au Teplitz—Vigorous; bright crimson with fiery red centre; free bloomer.

Kaiserine Augusta Victoria—Beautiful primrose; excellent variety.

Killarney—Vigorous; flesh shaded white, suffused pale pink; blooms large and pointed.

La France—Vigorous; beautiful bright pink; large globular, free bloomer; highly perfumed.

Mad. Abel Chatenay—Vigorous; carmine rose, shaded salmon, long pointed buds.

Madame Ravary—Beautiful orange yellow; large, full and hardy. An excellent rose.

Mrs. W. J. Grant—Imperial pink—a rare color; large, sweetly perfumed flowers, tapering shaped; prolific bloomer.

Papa Gontier—Vigorous, rosy crimson, free flowering, long buds.

Prices of above 40c each, \$4.00 per doz.



Sunset Rose

TEA ROSES.

For indoor culture. These roses are easily distinguished by their peculiar and exquisite shades of color, but more especially by their delicate fragrance.

Bridesmaid—Clear pink; very fine.

Catharine Mermet—Light flesh; large and globular.

Etoile de Lyon—Sulphur yellow; fine form.

Madame Hoste—Primrose yellow; large, full.

Niphetos—Pure white; large and pointed.

Perle des Jardins—Deep straw yellow; large.

Safrano—Bright apricot; free bloomer.

Sunset—Deep apricot; free bloomer.

Prices of above 40c each, \$4.00 per doz.

AUSTRIAN BRIARS AND THEIR HYBRIDS.

These require little or no pruning. Remove only the dead or weaker wood.

Beaute de Lyon—Coral red, slightly shaded with yellow; a beautiful rose with unique coloring.

Harrisonii (Harrison's Yellow)—Very pretty bright yellow; suited for bedding.

Persian Yellow—Deep golden yellow; very large, extra fine.

Rayon d'Or—Coppery orange, streaked with scarlet; medium sized flowers.

Soleil d'Or—Varying from orange to reddish gold; globose buds, opening to large; free bloomer.

Prices of above, 35c each, \$3.50 per doz.



Moss Rose

MOSS ROSES.

Their beautiful buds and fragrance render these great favorites, and deservedly so. They require close pruning and good cultivation.

Aetna—Bright crimson; very double.

Blanche Moreau—Pure white; perfect form; well mossed.

Comtesse de Murinais—White, shaded blush; a vigorous grower.

Crested—Pale rose; buds perfectly crested.

Perpetual White—White; blooms in clusters; very mossy.

Salet—Clear rose; vigorous grower.

Prices of above, 30c each, \$3.00 per doz.

CLIMBING ROSES.

Aglaia; Yellow Rambler—Bright yellow; flowers shell shaped form, with tea perfume.

Baltimore Belle—Double rose flowers, produced in clusters, splendid.

Crimson Rambler—Very vigorous; producing large trusses of crimson bloom; foliage strong, glossy green; decidedly the finest rambler.

Dorothy Perkins—Resembles the Crimson Rambler in habit, beautiful shell pink, full and double.

Goldfinch—Soft yellow, flowering profusely in large clusters. A free and vigorous grower.

Philadelphia Rambler—Vigorous; glowing crimson; flowering in large clusters.

Rubin—Vigorous; deep crimson, large blooms, well formed.

Seven Sisters—Crimson, changing to blush; flowers in large clusters.

Tausendschon—Vigorous; opening flowers pink; rosy carmine when open; large clusters.

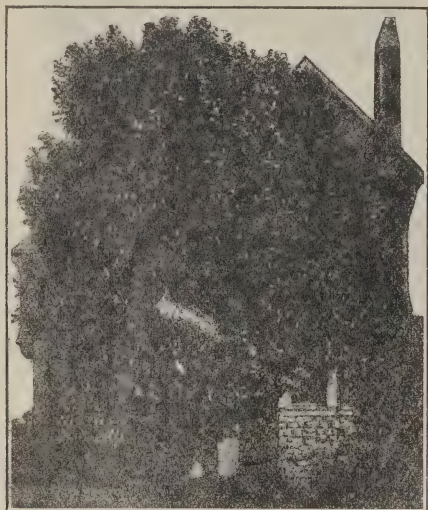
Thalia; White Rambler—White, flowering in clusters.

Veilchenblau (Violet-Blue)—New; crimson blue, resembling Crimson Rambler in habit and growth.

Prices of above 35c each, \$3.50 per doz.

DECIDUOUS TREES

Abbreviations denoting size—L, large; M, medium; S, small; D, dwarf. Denoting rapidity of growth—r, rapid; m, medium; s, slow; v, vigorous.



Norway Maple.

Acer or Maple — *Dasycarpum* — (Silver or Soft Maple) (Lr)—A hardy, rapid growing tree of large size, leaves are green above, silvery white beneath, 8 to 10 feet, each 80c, dozen \$8.00; 10 to 12 feet, each \$1.00, dozen \$10.00. ***Platanoides*—Norway Maple) (Lm)**—A large, handsome tree, with a round, compact form; foliage broad and deep green. One of the best for street or lawn, 6 to 8 feet, each 75c, dozen \$7.50; 8 to 10 feet, each \$1.00, dozen \$10.00; 10 to 12 feet, each \$1.25, dozen \$12.50. ***Platanoides Schwedleri*—(Purple Norway Maple) (Lm)**—Its beautiful leaves attract attention at all seasons, but are especially fine in spring, their gleaming red and purple contrasts brightly with the delicate green of other trees. 6 to 8 feet, each \$1.25, dozen \$12.50; 8 to 10 feet, each \$1.50, dozen \$15.00.

CHOICE HARDY EVERGREENS

The higher priced varieties are shipped with roots in balls of earth, wrapped in burlap. Shipped by express only. Abbreviations denoting size—L, large; M, medium; S, small; D, dwarf; VD, very dwarf. Denoting rapidity of growth—r, rapid; m, medium; s, slow; v, vigorous.

Planting—In planting all Evergreens, fine soil should be firmly and thoroughly pressed down in close contact with all the roots. The latter should never be allowed to get dry before or after planting. Once dry an Evergreen has small chance of living. Heavy watering at the time of planting, no manure in contact with the roots, and thick mulching of the soil over the roots are the essentials of success with Evergreens.

***Abies concolor*—(Blue Fir) (Lm)**—A choice Colorado species with long, broad and graceful foliage, color nearly as bright as the Blue Spruce. A choice lawn tree, 1½ to 2 feet, \$2.00. 2 to 2½ feet \$2.50.

***Juniperus Chinensis Aurea*—(Golden Chinese Juniper) (Ss)**—Dense pyramidal habit, young branchlets golden yellow and very brilliant, fine. 1½ to 2 feet, \$1.50; 2 to 2½ feet, \$2.00. ***Chinensis* (D)**—Beautiful and hardy, very graceful, foliage is of a pleasing, glaucous green, 1½ to 2 feet, \$1.50; 2 to 2½ feet, \$2.00. ***Virginiana*—(Red Cedar) (Mm)**—Of medium, compact, conical growth, rich green foliage. 1½ to 2 feet, \$1.25; 2 to 2½ feet, \$1.50. ***Glauca*—(Silvery Red Cedar) (Mm)**—The foliage is distinctly silver gray, beau-

***Æsculus Hippocastanum* — (Common Horse Chestnut) (Lm)**—Of very large growth, flowering in May or early June; very hardy and free of disease. 6 feet, each \$1.00, dozen \$10.00; 7 feet, each \$1.25, dozen \$12.50. ***Hippocastanum alba plena*—(Double White Horse Chestnut)**—A superb variety with double flowers in large panicles. The one objection to the preceding variety is obviated in this one, as it is devoid of fruit. 6 feet, each \$1.10; dozen \$11.00; 7 feet, each \$1.35, dozen \$13.50; 8 to 10 feet, each \$1.75, dozen \$17.50.

***Betula Papyraea*—(White Birch) (Lr)**—Rapid in growth and highly graceful in form; its drooping branches render it very attractive. Will grow in almost any soil. 5 to 6 feet, each 50c, dozen \$5.00; 7 to 8 feet, each 75c, dozen \$7.50; 8 to 10 feet, each \$1.00, dozen \$10.00. ***Laciniata Pendula*—(Cut Leaf Weeping Birch) (Lm)**—Of tall slender growth, with finely cut foliage, borne upon drooping branches, bark silvery white. 5 to 6 feet, each \$1.00, dozen \$10.00.

***Catalpa Speciosa*—(Western Catalpa) (Lr)**—Large, bright green foliage, and beautiful white flowers in large, showy panicles, produced in June. Grows quickly and thrives in almost any situation. 6 to 7 feet, each 60c, dozen \$6.00; 8 to 10 feet, each 85c, dozen \$8.50. ***Kaempferi Japan* (Lr)**—Large, hardy tree, grows rapidly and flowers profusely, very valuable variety. 10 to 12 feet, each \$1.00, dozen \$10.00.

***Magnolia Acuminata* (Cucumber Tree) — A** beautiful pyramidal growing tree that attains a height of 60 to 90 feet; leaves 6 to 9 inches long, bluish green color; flowers yellow, with bluish purple; fruit, when green, resembles a cucumber. An American species. Each \$2.25.

***Malus Floribunda*—Single flower, beautiful carmine in bud, white when open. Fruit very ornamental in fall. 2 to 3 feet, each 70c, dozen \$7.00.**

***Populus Molonifera* (Carolina)**—Similar to Lombardy, but does not sucker so much, and grows even faster; has large leaves of a glossy appearance. 6 to 8 feet, each 50c, dozen \$5.00; 8 to 10 feet, each 65c, dozen \$6.50.

tiful and distinct. 1½ to 2 feet, \$1.00; 2 to 2½ feet, \$1.50. ***Sabina*—(Savin Juniper) (VDs)**—Prostrate, spreading branches, with dark green foliage. 1½ to 2 feet, \$1.00; 2 to 2½ feet, \$1.50. ***Suecica*—(Swedish Juniper) (Mm)**—Dense pillar-like growth, grows much the same as the Irish Juniper, but is much more hardy. 1½ to 2 feet, \$1.00; 2 to 2½ feet, \$1.50.

***Picea Excelsa*—(Norway Spruce) (Lr)**—Useful for screens and windbreaks on account of its rapid growth; tall pyramidal tree. 1½ to 2 feet, 30c, dozen \$3.00; 2 to 2½ feet, 35c, dozen \$3.50. ***Pungens Glauca Kosteri* (Koster's Blue Spruce) (Lm)**—A very handsome and a very hardy tree of symmetrical habit, with bright silvery blue foliage; one of the finest. 2 feet, \$2.50; 2½ feet \$3.00; 3 feet \$4.00; 4 feet \$5.00.

***Pinus Austriaca*—(Austrian or Black Pine) (Lr)**—A massive and handsome tree of spreading habit, foliage deep blackish green, very hardy. 2 to 2½ feet, \$1.50; 2½ to 3 feet, \$2.25. ***Mugho*—(Dwarf Mountain Pine) (Ds)**—Of compact and dwarf habit, very ornamental and hardy; foliage dark green. 1 to 1½ feet, \$1.25; 1½ to 2 feet, \$2.00.

***Thuja Occidentalis*—(American Arbor Vitae) (Mr)**—Of conical form and rapid growth. Used largely for hedges and screens. 1½ to 2 feet, 30c; dozen \$3.00; 2 to 3 feet, 35c; dozen \$3.50. ***Occidentalis lutea* — (Golden Arbor Vitae) (Mm)**—Bright yellow foliage, very fine. 1½ to 2 feet, \$1.00; 2 to 2½ feet, \$1.25.

HARDY FLOWERING SHRUBS

These can be mailed, but when forwarded by express we can send larger plants. We advise our customers to have shrubs forwarded by express whenever possible.

Abbreviations denoting size—L large; M medium; s small; D dwarf.

Plants priced at 25c each are \$2.50 per dozen, \$18.00 per 100; at 30c each are \$3.00 per dozen; \$22.00 per 100; at 35c each are \$3.50 per dozen, \$26.00 per 100. This reduction only applies where three or more of one variety are ordered.

Amorpha Fragens—(L)—A strong growing shrub, with finger like spikes of indigo-colored flowers. July. 30c.

Azalea Mollis (D)—Dwarf, showy shrubs, in many colors; thrives in sunny positions. Well budded plants, 60c and 80c.

Berberis Thunbergi—(Japanese Barberry) (M)—Bright green foliage, turning into glowing colors in autumn, crimson berries. Thorny and graceful; used largely for hedging. Each 25c, dozen \$2.50, 100 \$15.00. Larger size, each 30c, dozen \$3.00, 100 \$20.00. **Vulgaris Purpurea—(Purple Barberry) (L)**—Violet-purple foliage and fruit. Effective in groups and masses, or planted alone. Can be trimmed for hedging. Each 25c, dozen \$2.50, 100 \$15.00. Larger size, each 30c, dozen \$3.00, 100 \$20.00.

Caragana arborescens—(Siberian Pea Shrub) (L)—It makes a splendid show with its light green compound leaves and numerous small clusters of yellow flowers. May-June, 30c.

Caryopteris Mastacanthus—(Blue Spirea) (D)—Low growing shrub, with flowers of rich lavender blue in autumn. The tops are cut back by frost, and it is necessary to protect with some covering, 25c.

Cydonia Japonica — (Japan Quince) (M)—Glossy dark foliage, large, deep scarlet flowers in May, followed by fruit, 30c.

Deutzia, Pride of Rochester (L)—Vigorous, grower, large panicles of blossoms tinted with rose, 30c. **Gracilis—(Slender Deutzia)**—Forms a round, dense bush and it is covered with snow-white flowers in May or June, 30c.

Elæagnus Edulis or Longipes—(Japan Oleaster) (L)—Leaves are dark green above and silvery-white beneath, small yellow flowers followed by very ornamental red fruit, 30c.

Euonymus Europæus—(Spindle Tree) (L)—Forms a compact, round headed tree. Foliage dark orange and red fruit in autumn, 30c.

Forsythia Suspensa — (Golden Bell) (L)—Erect growing, but when fully grown the branches become arching. Beautiful yellow flowers in April, 30c.

Hibiscus—(Althea, or Rose of Sharon) (L)—Beautiful flowers in August or September. Double white, double pale pink, double dark red, double dark rose, double violet, double purple, variegated foliage, 35c.

Hydrangea paniculata grandiflora (L)—Immense cone-shaped heads of flowers in September, turning to shades of pink and red, 25c. Large plants, 40c. Tree-shaped—On 3 foot stems 75c, by express only.

Ligustrum—(Privet) (Common)—Rapid growing plants, excellent for hedges, or as individual shrubs. **Aureum**—Very hardy, large, oblong, glossy green foliage, of sterling merit. Each 25c, dozen \$2.00, 100 \$10.00. **Californica Privet**—Very broad, oval-shaped leaves, good variety but not very hardy. Each 20c, dozen \$1.25, 100 \$7.00.



Hydrangea Paniculata Grandiflora.

Lilac—Single Hybrids—Marie Lafarge—Pure white, in very large trusses. Charles X—Dark purplish lilac, a beautiful flower. Mme. Francisque Morel—Bright pink, splendid. Rothomagensis—Habit like the Persian, intense violet flowers, large heads, 50c.

Lilac—Double Hybrids—Charles Joly—Double, dark reddish-purple. Madame Lemoine—Double white, superb. President Grevy—Double blue, beautiful, 50c.

Lilac, Vulgaris—Common purple, 30c. Vulgaris alba—Common white, 35c.

Lonicera—(Bush Honeysuckle) (L)—Desirable, free-flowering shrubs of easy culture. Fragrant flowers and ornamental fruits. **Morrowi—Creamy flowers, rich crimson berries. Tartarian White—Pure white, fragrant flowers. Tartarian Red—Beautiful red flowers in profusion 30c.**



Philadelphus (Syringa). Page 98.

HARDY FLOWERING SHRUBS—Continued.

Philadelphus — (Mock Orange or Syringa)—Excellent shrubs, large flowers and foliage, adaptable to any soil. **Grandiflorus** (L)—Large white flowers, slightly scented. **Coronarius**—(D) — Charming, large fragrant flowers 30c.

Prunus Triloba (Double Flowering Plum)—An interesting addition to hardy shrubs, flowers semi-double, of a delicate pink, upward of an inch in diameter, thickly set on the long, slender branches; a native of China; hardy, 50c. **Japonica Flore Alba Pleno** (White Flowering Almond)—Double, white, flowers in May, 50c. **Japonica Flore Rubra Pleno**—(Red flowering Almond)—Bears beautiful rose-like flowers in May before the appearance of the leaves, 50c.

Ribes Aureum—(Flowering Currant) (M)—Yellow flowers in May, glossy foliage, 30c.

Sambucus Aurea—(Golden Elder)—A large golden leaved form, does best in full sunlight, 30c.

Spiraea Anthony Waterer—(S) — Low-growing brilliant rosy-crimson, all summer. **Billardi** (L) — Pink flowers in dense panicles from July until fall. **Douglasi** (L)—Deep rose-colored flowers in July. **Opulifolia** (L)—White flowers, bright yellow foliage. **Prunifolia**—(Bridal Wreath)—(M) — Double white flowers in May. **Thunbergi** (D)—Small abundant flowers in May. Delicate drooping, lanceolate foliage, pretty. **Van Houttei** (Large Bridal Wreath)—The finest and most satisfactory of the *Spiræas*. Arching branches covered with white flowers in June, 30c.

Symphoricarpos Racemosus—(Snowberry) (M) Pink flowers in July, waxy berries in autumn. **Vulgaris**—(Indian Currant) (S)—Low growing, graceful habit, attractive foliage, red berries.

Viburnum Opulus—(High Bush Cranberry) (L) —One of the showiest varieties of the Snowball. Large white flowers in May or June, scarlet berries in autumn. **Opulus Sterilis**—(Guelder Rose) —The old fashioned Snowball. Large, open white heads of flowers in May or June.

Weigela Candida—(Diervilla) (M)—Pure white flowers in June, profuse bloomer, 30c. **Eva Rathke**—Dark carmine-red, profuse bloomer, 35c. **Rosea**—Abundant rose-colored flowers, 30c.

HARDY PERENNIALS

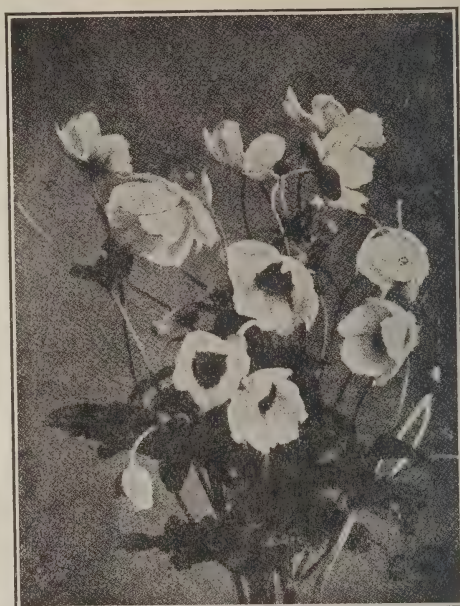
Perfectly hardy anywhere and thrive and bloom year after year with little care after once well planted. Height of plant and period of bloom is indicated. Where price is 15c each, 3 plants of one variety are supplied for 40c, dozen \$1.50. Where price is 20c each, 3 plants of one variety are supplied for 50c, dozen \$2.00. Where price is 25c each, 3 plants of one variety are supplied for 65c, dozen \$2.50.

Achillea Ptarmica Plena, The Pearl—Double white, splendid for cut bloom. All summer, 2 ft. 20c.

Aconitum (Monkshood)—Deep blue and white, July to August, 20c.

Anchusa Italica—Pretty gentian blue flowers, May to July; 5 feet, 25c.

Anemone Japonica—September. 3 feet. Rose —20c.

PERENNIALS—Continued**Anemone Japonica.**

Aquilegia — (Columbine) — Excellent border plants, May to July. Splendid varieties, mixed colors, 20c.

Bocconia Cordata—(Plume. Poppy)—Creamy-white, 6 feet, July and August. A noble and beautiful plant, 15c.

Campanula—(Canterbury Bell) — Rose, blue, white. July to August, 3 feet, 20c.

Centaurea, Montana—(Perennial Cornflower)—Blue. 12 inches, June, 20c.

Coreopsis Lanceolata—Beautiful border plant. Golden yellow, 2 feet. June to October, 20c.

Delphinium—(Larkspur)—Very attractive and graceful plants. June to October. **Belladonna**—Blue. **Alba Grandiflora**—White. 20c.

Dianthus Deltoides (Maiden Pink)—Deep pink, 6 to 9 in. May and June. **Plumarius** (Grass Pink)—Pink. 1 ft. May and June. **var. Semper** (Holmstead Pink)—Pink. 1 ft. May to August. Very fragrant and free-flowering. 20c.

**Dielytra Spectabilis**

Dielytra Spectabilis—(Bleeding Heart)—Pæony like foliage, pink, heart-shaped flowers, 2 feet, May to July, 20c.

HARDY PERENNIALS—continued



Delphinium. Page 98.



Double Hollyhock.



Heuchera.

Doronicum Excelsum (Leopard's Bane)—Yellow, May and June, 3 feet, 25c.

Eulalia—Very graceful, tall, ornamental grass, 5 to 6 feet high. **Japonica Zebrina**, 20c.

Funkia Fortunei (Plantain Lily)—Pale lilac. 1 to 2 feet. July. 20c.

Gaillardia Grandiflora—Very showy large flowers, assorted colors, 2 feet. June to October, 20c.

Gypsophila Paniculata—Minute white flowers, splendid for cutting. 2½ feet. July and August, 20c.

Helenium—(Hoopesii)—August to October. Orange, 20c.

Helianthus (Perennial Sunflower)—5 feet, August to October. Large graceful single flowers of a deep yellow. 4 feet, 15c.

Hemerocallis—(Yellow Day Lily)—Fragrant lily-shaped flowers. June and July. **Flava**—Rich, Indian yellow, splendid sort, 3 feet, 30c. **Fulva**—4 feet, bronze-orange, 20c.

Hollyhocks—Double—6 feet, July to September. Great favorites. Flowers large and brilliant. **Double Yellow**, **Double Crimson**, **Double Pink**, **Double Scarlet**, **Double Rose**, **Double White**, 20c. **Double Mixed**, 15c. Immense flowers, single and semi-double, fringed petals, 20c.

Heuchera Sanguinea—(Alum Root) — Dwarf, bushy plants, bearing bright red flowers profusely. July to September, 1½ feet, 20c.

Iris, Japanese—Enormous flowers, 2 feet, July. Splendid. Named Varieties, 20c.

Iris, German—2 feet, May and June. Beautiful flowers. Named Varieties, splendid selection, 20c.

Lily of the Valley—White, 9 in. May and June. Doz. 40c; per 100 \$2.45.

Lychnis Chalcedonica — (Jerusalem Cross)—Orange-scarlet flowers, very showy, 4 feet. June to August, 20c.

Momarda Didyma—(Oswego Tea)—Cardinal red, large, showy flowers, 3 feet. July to September, 20c.

PÆONIES—Double—Exceedingly effective, the diversity of color, profusion and duration of bloom, render them most popular; May and June; 2 feet.

Cytheree—Flesh white, centre petals edged with carmine, slightly fragrant, 40c.

Delachei—Dark red, large and free blooming, splendid variety, 35c.

PÆONIES—Continued.

Duchess de Nemours—Pure white, very large, strong, vigorous variety, fragrant, 50c.

Faust—Beautiful bluish white, 50c.

Festiva—Ivory white, full, fragrant, 35c.

Jeanne d'Arc—Delicate rose-pink, 50c.

Louis Van Houtte—Dark crimson, rich and very striking, large, fragrant, 35c.

Zoe Calot—Delicate pink, large globe-shaped flowers, 35c.

Officinalis Alba—Double bluish white, early flowering, 30c.

Officinalis Rosea—Double bright pink, early flowering, 30c.

Officinalis Rubra—Double deep crimson, very early 30c.

Double Pink Shades, Mixed, 25c. **Double Crimson Shades, Mixed**, 25c. **Double White Shades, Mixed**, 25c. **Double Mixed**—All colors, 20c.

Poppy—Oriental—Beautiful large flowers, separate colors; 2 to 3 feet; June and July. 20c.



HARDY PERENNIALS—Continued

PHLOX—Hardy—One of the finest perennial plants; July to September; strong, field-grown plants.

Frau Anton Buchner—Pure white, very fine, 25c.
Standard Varieties, 20c.

Champs Elysse—Rich purple crimson.

Chanzy—Rose, dark eye.

Cleopatra—Lavender, large flower.

Coquelicot—Orange-red.

Eclairer—Bright, purplish-red, large.

Etna—Deep coral red.

Embrassement—Color somewhat like Coquelicot, but more crimson.

Jeanne d'Arc—White, late variety.

Mme. Dutrie—Delicate pink.

Jules Cambon—Deep rosy-pink, white centre.

Rose Queen—Clear pink.

La Vogue—Clear lilac pink, pale cherry-red centre.

Nana Coerulea—Dwarf habit, sky blue, blooms profusely.

Phlox, Mixed Varieties, 15c.

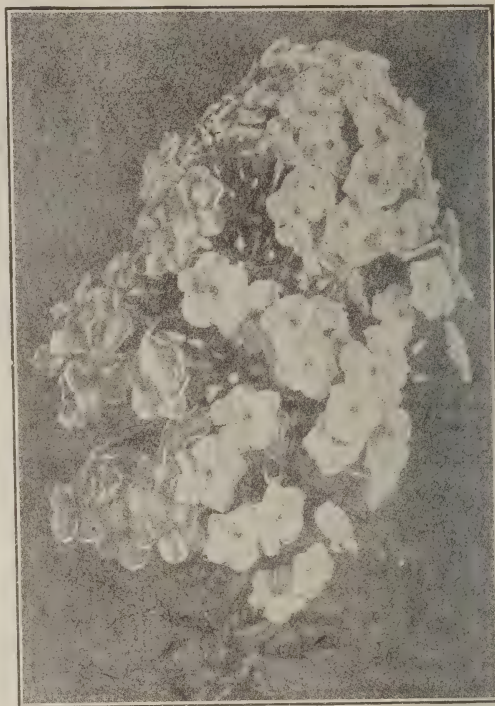
PYRETHRUM—Large variety of colors, like a large single Chrysanthemum; June; 2 feet, 20c.

POPPY—Oriental—Beautiful large flowers, separate colors; 2 to 6 feet. June and July. 20c.

Rudbeckia—(Golden Glow)—Splendid, double yellow flowers; July to September; 6 feet, 15c.

Newmanni—Deep orange yellow, with purplish cone; 2½ feet; July to September. 20c.

Purplea—(Purple Cone Flower)—3 feet; July to October; large, reddish-purple flowers, 20c.



Hardy Phlox.

Spirea—(Meadow Sweet) — Aruncus—A fine variety, feathery panicles of white flowers; June to August; 4 feet. Filipendula Plena — Double white flowers, fern-like foliage, 20c.

Statice Latifolia—(Sea Lavender)—Bluish-violet; July to September; 2 feet, 20c.

Shasta Daisy—Very large white flowers; 2 feet, June and July, 20c.

Tritoma—(Red Hot Poker)—2 feet; August to October. Deep scarlet and yellow, 20c.

Veronica—Long spikes of of bright blue flowers; July to September; 1½ feet, 20c.

Yucca—(Adam's Needle)—An effective plant, creamy-white flowers; July to August, 4 feet, 20c.



Shasta Daisy.

READ THIS

Plants that are sent by mail have but little soil left on them, and they should receive very careful treatment, especially the first few days after their arrival. If they look wilted, put them in lukewarm water for fifteen or twenty minutes! this will greatly revive them. Should any plants become injured in any way, we must be advised promptly, and will replace them without delay. But after they arrive in good condition our responsibility ceases, and if for want of attention or other causes, they fail, and complaint is then made, we cannot replace them.



Tritoma.

HARDY CLIMBING VINES

Akebia Quinata—Rich, dark green foliage, fragrant rosy-purple flowers, very rapid growing, 30c.



Ampelopsis Veitchii.

Ampelopsis Veitchii—(Boston Ivy)—Grows rapidly, clings firmly to any wall, tree, etc. Leaves olive green, changing to scarlet in autumn. 2 year, 30c, 4 for \$1.10, dozen \$3.00.

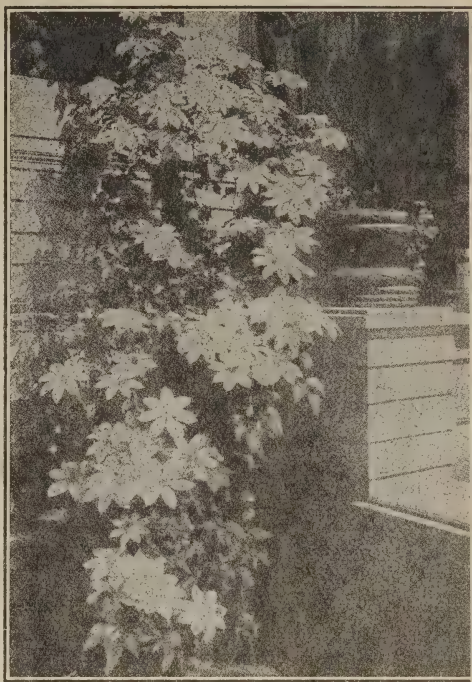
Ampelopsis Engelmanni—(Engelman's Ivy) — The hardest, best and quickest growing climber for the north and northwest. Somewhat similar to the Virginia Creeper, but the leaves are smaller; it will cling to walls, etc. 2 year 35c, 4 for \$1.25, dozen \$3.50.

Ampelopsis Quinquefolia—(Virginia Creeper or Woodbine)—Luxuriant in growth, with handsome foliage, turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2 year 30c, 4 for \$1.10, dozen \$3.00.

Aristolochia Sipho—(Dutchman's Pipe)—A vigorous growing climber, brownish colored flowers, resembling a Dutchman's pipe. Leaves light green and very large. Large, 50c.

White Chinese Wistaria—Large drooping clusters of lovely pea-shaped flowers, sweet-scented. It grows strong and high, makes a pretty leafy screen, 50c.

Blue Chinese Wistaria—One of the most beautiful of the Wistarias. Produces large clusters of rich violet-blue flowers, richly perfumed, 50c.



Clematis Jackmani Alba.

Bignonia Radicans—(Trumpet Vine) — Useful for covering unsightly places; flowers are dark red, orange throats, large and trumpet-shaped, 30c.

Clematis—Large flowered varieties—Very popular hardy climbers, remarkable for their beauty. **Jackmani**—Rich, violet-purple. **Duchess of Edinburgh**—Double white. **Henryi**—Creamy-white. 2 year old plants, 50c, 3 for \$1.35.

Clematis Paniculata — (Japanese Clematis) — Glossy green foliage, flowers are white, star-shaped and borne in large clusters, fragrant. 30c, 3 for 75c. 2 year old plants.

Honeysuckle, Scarlet Trumpet—Produces scarlet flowers all summer. **Hall's Japan**—Vigorous growth, white flowers, changing to yellow. **Belgian**—(Sweet Scented Monthly)—Fine red and yellow flowers. 35c, 3 for \$1.00.

FRUIT TREES

The list of Fruit Trees and Bushes offered comprise varieties most suitable for cultivation in gardens for home use. We ship good stock and we accept no responsibility for failure.

SUMMER APPLES.

Astrachan Red—Handsome, nearly covered with deep crimson, fine flesh, acid and juicy, ripening in August.

Duchess of Oldenburg—Large, red and yellow; tender and juicy, prolific.

AUTUMN APPLES.

Snow or Fameuse—Rich crimson, with white flesh, fine quality.

Wealthy—Skin yellow and crimson, flesh yellowish, crisp and juicy, pleasant aromatic flavor.

WINTER APPLES.

Baldwin—Large, deep bright red, juicy, sub-acid, good flavor.

Greening—Roundish, oblate, very large, greenish yellow when ripe; splendid cooker.

APPLES—Continued.

Russet—Fruit slightly conical, medium size, pale greenish-yellow, flesh yellowish white, firm and crisp; hardy and productive.

King—Large, yellow skin, splashed crimson, yellow flesh, pleasing flavor.

Northern Spy—Large, skin yellow and red, flesh white, delicious.

Scarlet Pippin—Skin yellow, almost covered with crimson, flesh firm and juicy.

CHERRIES.

Cherries succeed best on dry soil.

Black Tartarian—Large, purplish black, juicy, sweet, excellent flavor.

Governor Wood—Large, light red, juicy and sweet, delicious flavor.

Early Richmond—Medium, bright red, juicy, acid flavor.

FRUIT TREES—Continued.

CHERRIES—Continued.

Large Montmorency—Large, red, acid, ten days later than Richmond; splendid canner.

PEACHES.

Crawford's Early—Large, skin yellow, flesh yellow and of excellent flavor.

Crawford's Late—Fine, large variety, yellow flesh.

Elberta—A grand peach, large, yellow flesh, free stone.

Yellow St. John—Very early, good quality, yellow flesh.

PEARS.

Easter Beurre—(Winter)—A large, oval fruit, yellow, with a red cheek; melting and rich, and most abundant bearer.

PEARS—Continued.

Seckel—Small; skin rich yellowish brown when ripe, sweet; very productive and hardy.

Bartlett—(Summer)—Large, rich golden-yellow, juicy and highly flavored.

Flemish Beauty—(Autumn)—Large, pale yellow and brown, juicy and productive.

Keiffer—(Winter)—Large, rich, golden yellow, tinted red.

PLUMS.

Bradshaw—Fruit large, dark violet-red, flesh yellowish-green.

Lombard—Medium, round, violet red, good quality.

Reine Claude—Large, nearly round, greenish-yellow.

Yellow Egg—Large, egg-shaped, excellent for cooking, productive.

The above Fruit Trees, each 50c, dozen \$5.00.

SMALL FRUITS

GOOSEBERRIES.

Strong, two-year-old plants.

	Ea.	Doz.
Downing—Large, green, prolific....	25c	\$2 50
Houghton—Red, prolific	25c	2 50
Industry—Red, fine, English	30c	3 00
White Smith—White, prolific, English	30c	3 00

CURRANTS.

	Ea.	Doz.	100
Boskoop Giant—Black	20c	\$2 25	\$12 00
Fay's Prolific—Red	20c	1 50	8 00
Black Naples	20c	1 50	8 00
Red Cherry	20c	1 50	8 00
White Grape	20c	1 50	9 00

GRAPES

	Ea.	Four Doz.
Moore's Early—Black, large..	25c	90c \$2 00
Brighton—Red, fine quality ..	25c	90c 2 00
Niagara—Splendid white	25c	90c 2 00
Worden—Black, splendid	25c	90c 2 00

RASPBERRIES.

	Ea.	doz.	100
Herbert—Crimson, hardy	20c	\$2 00	\$8 00
Cuthbert—Large, rich crimson	15c	1 25	4 50
Columbian—Large red	15c	1 50	5 00
Golden Queen—Yellow, large.	15c	1 50	5 00
Gregg Black Cap—Fine	15c	1 50	5 00
Cumberland—Grand Blackcap	15c	1 50	5 00

St. Regis Everbearing Raspberry

—This splendid variety was first introduced in the United States five years ago and is destined to become the most popular Raspberry on the market. It ripens a week before any variety we know of and is similar to Cuthbert in appearance. It fruits all season and many baskets were sold by our grower in this market last September. 25c each, \$2.50 dozen.

KITCHEN PERENNIAL ROOTS.

Chives, Rhubarb, Peppermint, Sage, Spearmint, Thyme. 15c, 3 for 40c, dozen \$1.50.



Spray Pumps and Hand Sprayers—See pages 114 to 116.

Preparation for destruction of Insects—See page 105.

CARRIAGE OF SEEDS, ETC.—All Vegetable, Flower, Tree, Hedge and Field Root Seeds are sent carriage paid by mail or rail, at our option, at catalogue prices. When the purchaser desires his order sent by express or freight at his own expense, deduct 10c per pound from the pound prices. Grains, Clovers, and Grass Seeds, Bulbs, Plants, Fertilizers, Insecticides, Bird and Poultry Supplies and Remedies and Sundries, will be priced both delivered and at Hamilton. Above applies to Canada, Newfoundland and the United States. Where there are Express Offices, Express is cheaper for a fair sized order.



FERTILIZERS

Pure Bone Meal for fertilizing purposes. Our Pure Bone Meal is a very superior and carefully prepared fertilizer. A machine that will sow plaster will also sow the above. In Turnip culture it is particularly recommended. Apply at the rate of 10 bushels, (600 lbs.) per acre, and drill in with the seed. Highly recommended for lawns, etc. 6 lbs. 25c, 25 lbs. 85c, \$2.75 per 100 lbs., \$5.00 bag of 200 lbs., 5 bags, 1,000 lbs., \$23.75.

Gypsum or Pure Land Plaster is white. It has great power in seizing on the escaping ammonia and giving it to plant life. Gypsum is the cheapest, and especially where used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. It is used largely on all crops, and it is of great benefit to lawns, as well as to every sort of fruit trees, vegetables or flowers. Sow early in the spring or autumn, when verdure is moist. Best effect to sow light and often. In good linen bags containing 100 lbs., 60c per bag, \$9.00 per ton.

Nitrate of Soda—A powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. Per lb. 10c, 15 lbs. \$1.00, 25 lbs. \$1.50, 100 lbs. \$5.50.

Farmogerm—High bred nitrogen-fixing bacteria. See page 104.

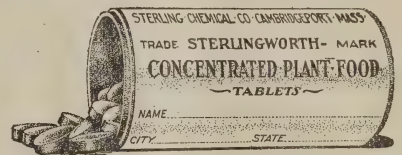
Guano—From the large amount of ammonia and phosphate contained in pure Guano, it is one of the most powerful stimulants for plants and growing crops. Before using it should be made fine, and may be mixed with loam, charcoal, dust or plaster. It should not be mixed with lime or ashes; mulch or clay also are not suitable. It should not come in contact with growing plants. As it is nearly soluble in water, it is most easily converted into liquid manure, and when applied in that form its effects are almost immediate. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, which is more efficient than repeated waterings with weaker solutions. 1 lb. package, 5c; postpaid 30c.

Pulverized Sheep Manure—A natural manure, most nutritious for plants; effect immediate and lasting. Excellent for mixing with soil for greenhouse plants (one part manure and six parts soil), strewn over and dug into the garden, or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes a safe and quick liquid manure; one pound to five gallons of water can be used daily, if necessary, with safety. 1 lb. 10c, 5-lb. carton 25c, 10-lb. carton 45c, 25-lb. bag 80c, 50-lb. bag \$1.40, 100 lbs. \$2.50.

STERLINGWORTH PLANT TABLETS

A New, Scientific, Odorless, Invigorator for House Plants and Vegetables.

Sterlingworth Plant Tablets are a safe, clean, odorless, concentrated plant stimulant in tablet form. They contain those ingredients in their proper proportions that are necessary for healthy plant life. Their use promotes a healthy, vigorous growth of branch, leaf and flower. They are readily soluble in water, and contain an insect-driving ingredient which keeps injurious bugs and worms from the soil. Renewing of plant soil is made less important and is less frequently needed when these tablets are used. They build up the soil and supply scientifically those elements necessary to healthy growth. They are much more effective than what is commonly known as "liquid manure," which contains a large percentage of waste matter, which pollutes the soil, accompanied by a disagreeable odor. Try one package. When you learn how satisfactory they are you will buy more. They double the bloom. Prices: Large size, sufficient for 35 plants three months 25c, postpaid 30c; trial size, sufficient for 10 plants for three months, 12c, postpaid 15c.



CLIMAX LAWN SAND—KILLS ALL WEEDS ON LAWNS—Prices here.

We highly recommend this remarkable preparation, which absolutely destroys dandelions, plantains, moss, chickweed, and other weeds in lawns. It will not hurt the grass, but just the reverse, as it has some of the properties of a fertilizer. Applied with the hand any time during the summer season. Extensively tried and proved the past season. 7-lb. can, for 250 sq. feet., \$1.00; 14-lb. can, for 500 sq. ft., \$1.75; 28-lb. keg, for 1,000 sq. ft., \$3.00; 56-lb. keg, for 2,000 sq. ft., \$4.75; 112-lb. keg, for 4,000 sq. ft., \$8.50.

WEED KILLER—The Dandelion destroyer; also kills weeds on drives, paths and walks. In air tight tins in powder form, mixes readily in cold water, without heat or fumes, and keeps for an indefinite period. No. 1 Tin (enough to make 25 gallons), 40c. No. 2 Tin (enough to make 100 gallons), \$2.25. The Weed Eradicator for large lawns, is a simple brass machine 36 inches long, fitted with a self-acting valve so arranged that when filled with the Climax Weed Killer by simply pressing the point into the plant enough is injected into the tissues to destroy it. Price \$3.00.

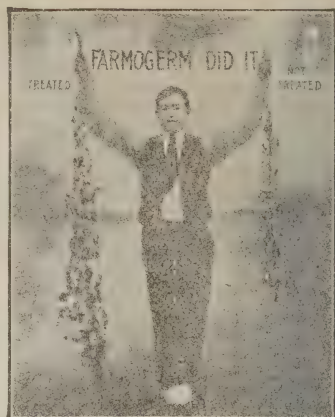
TWEMLOW'S OLD ENGLISH GLAZING PUTTY.

Half liquid, superior to ordinary putty; will not crack or peel; 1 gallon glazes 300 lineal feet. Apply with Scollay's Putty Bulb. ½ gallon, \$1.35; 1 gallon, \$2.50.



FARMOGERM

A new, sure and easy way has recently been discovered to make worn-out or poor land enormously productive without fertilizers and almost without expense. Plants need nitrogen—can't grow without it. Heretofore fertilizers have been needed to put nitrogen into the soil. Nitrogen is very necessary—is the most expensive part of fertilizers. The new way is easier, surer and cheaper—it is to let nitrogen-gathering germs feed the plants. The soil is full of air. Air is four-fifths free nitrogen. Right here the new discovery comes in. Plants cannot extract nitrogen from the air, but there are germs that can. These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air and feed it to the plants. These germs come ready for use in a form called Farmogerm. It is put up in bottles. Simply add it to water and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start and keep on feeding them. They also enrich the soil by storing nitrogen in it, so that the second year's crop, whatever it may be, is increased from 2 to 10 times. When ordering, state what particular crop you wish to inoculate. Those not mentioned below, there is no bacteria for. Circulars with testimonials on application.



Alfalfa or Lucerne	Red Clover	Crimson Clover	Vetch or Tares	Field Peas	Garden Peas
Mammoth Clover	Alsike Clover	Soy Beans	Garden Beans	Cow Peas	Sweet Peas

MIXED CULTURES FOR

A—Red, White, Crimson, Alsike and Mammoth Clover. B—Vetch and Field Peas.
C—Soy Beans and Cow Peas. D—Garden Peas and Beans and Sweet Peas

1 acre bottle, \$2.00; 5 acre bottle, \$7.50, postpaid.

Garden Package—Sweet Peas, 60c; Garden Beans, 60c; Garden Peas, 60c; White Clover, 60c. Also Mixed Culture, good for Garden Peas and Beans and Sweet Peas, 60c, postpaid.

One-half Garden Packages of above 5, 30c each.

Guaranteed to keep six months from date of shipment, and can be used within that time.

PREPARATIONS FOR THE DESTRUCTION OF INSECTS

Slug Shot—(Hammond's)—It is in the form of an impalpable powder, and is fatal to insect life in every form in which they are injurious to vegetation. It is also an excellent fertilizer, as plants upon which it is used will be found to grow and look finer than those upon which it is not. It contains nothing injurious to domestic animals and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. 1 lb. canisters, with perforated top, filled, 30c each, postpaid 45c. In 5 lb. pkgs. 50c; 10 lb. pkgs. 85c; in barrels, about 225 lbs., 7c lb. here.

Grape Dust—(Hammond's)—An excellent article for killing and preventing mildew, mould or rust mites on roses, grape vines and other plants and trees. affected by same. More effectual and cheaper than sulphur. Required to be applied reasonably frequent. In 5 lb. pkgs. 50c.

Fish Oil Soap—Prepared with Tobacco—A splendid article for preserving flowers, shrubs, vines, and particularly rose bushes, from the destructive effect of slugs, grubs, worms, etc.; also good for scale. 1 lb. box 25c; postpaid, 15c per box extra.

Nikoteen Aphis Punk—A special preparation of nikoteen for burning in greenhouses to destroy green and black fly, thrip, etc. Box of 1 dozen rolls, 85c; postpaid 95c. See page 106.

Nikoteen—A liquid insecticide for use of florists and gardeners. It is composed of that element in tobacco which gives it its value, and nothing else. This is without doubt the best remedy for most of the insects that attack plants and flowers. Circulars giving full particulars and mode of treatment supplied. Price \$2.10 per lb. bottle here, postpaid, \$2.35; ½ lb. bottle \$1.20 here, postpaid \$1.35; 2 oz. bottles 50c each or 55c postpaid; ½ oz. bottles 25c each, postpaid. See page 106.

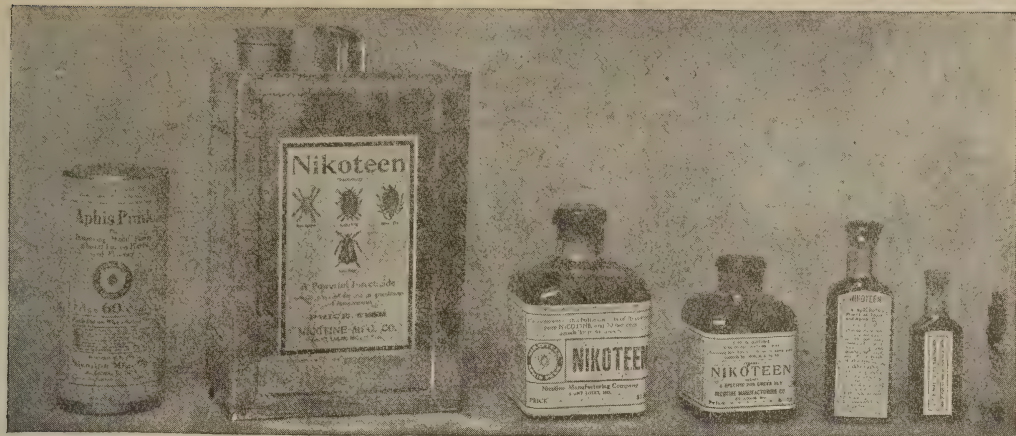
Niquas—Non-poisonous. Its great and unparalleled success should secure its use for all kinds of plants. It is the cheapest, safest and most effective insecticide known. Put up in bottles with directions. Small size 25c, postpaid 35c; medium 50c, postpaid 65c; large, 75c, postpaid \$1.00.

No. 1 Paris Green—Very scarce. Prices on application.

Sulpho-Tobacco Soap—Destroys cabbage, squash and potato bugs, currant worms, lice, green fly, mealy bug, red spider, etc. Sure death to all plant insects indoors and out of doors. Of special value for spraying shrubs, fruit trees and vines. Produces luxuriant roses if bushes are sprayed liberally before blooming time; a splendid wash for dogs and other animals. Free with every order of 8 oz. cake and over, "The Window Garden," a booklet by Eben E. Rexford, on the cultivation of plants and the extermination of insects. 3 oz. cake makes 1½ gallons prepared solution. 12 cents, postpaid 15c. 8 oz. cake makes 4 gallons prepared solution. 25c, postpaid 35c. 10 lb. cake makes 80 gallons prepared solution. By express, \$3.00.

Corvusine D. G.—The best seed dressing in the world. It eradicates smut, protects the seed from vermin and birds; preserves the seed in cold, damp weather, helps the seed to germinate, and insures vigorous growth. It is not poisonous like bluestone, and does not clog the drill. Just sprinkle the seed with it and plant—that's all. Try it on 5 acres Fall Wheat. It is equally good for spring seed grain. Widely used in Great Britain and has been well tried in Alberta. It is all mixed ready for use. Directions on every can. Booklet with testimonials on application. Price, Tin No. 1, enough for 16 bushels wheat, \$2.25; tin No. 2, enough for 40 bushels wheat, \$4.50.

INSECTICIDES



Bug Death—This insecticide and plant food combined has been on the market for 14 years, and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra yield of marketable potatoes has more than paid the entire expense. It is non-poisonous, which makes it perfectly safe to use on all plants or vines. Very beneficial results are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose. **Bug Death prevents blight. Order early. Price**—Put up in packages as follows, with trade mark on each package: 1 lb. package 15c, postpaid 30c; 3 lb. package 35c, postpaid 65c; 5 lb. package, 50c; 12½ lb. package, \$1.00; 50 lb. package, \$3.85; 100 lb. package, \$7.50. **Perfection Shaker** for applying Bug Death, 65c. **Dickey Duster**, 25c each here. **Farnum Dust Motor**—Will do an acre in 30 minutes—a boy can run it. Write for description. Price \$15.00 here. It may be applied dry with the Perfection Shaker, Dickey Duster, or with a small bag made from burlap or gunny cloth having the right mesh, also mixed with water and sprayed as above stated.

ANT-I-CIDE—A coarse powder for sprinkling on lawns to kill ants. 1 lb. for about 300 square feet of lawn. 1 lb. 50c, postpaid 65c; 5 lb. tins \$1.50 here.

APTERITE is a scientifically prepared powder for the fumigation and fertilization of the soil. Its purpose is to destroy the many insects and other pests which live, or hibernate, in the soil and damage the crops. It is simple to apply, inexpensive, non-poisonous and will not destroy soil bacteria or ruin delicate plants if used as directed. It is best applied at ploughing or digging time, though it can be scattered on the surface as long as it does not come into actual contact with the leaves or stems of growing plants. 1 lb. can, 25c, postpaid 40c; 7 lb. can \$1.00, 14 lb. can \$1.50, 56 lb. keg \$3.00, 100 lb. keg \$5.75.

V1 Fluid—It can be used any time after the leaves have fallen in the autumn and before the buds have opened in the spring. It kills scale, fungi, eggs of insects, mosses and lichens with which it comes in contact. Does not harm vegetation nor animals feeding on grass growing under sprayed trees; must be diluted 1 part to 100 parts of water and applied in the usual form of a mist-like spray; cleanses the tree—invigorates its growth and increases its fruit-producing capacity. 75c quart, \$2.50 gallon tin.

V2 Fluid—Destroys scale, insects, wooly and all forms of aphids, pear and apple psylla; does not harm the tenderest foliage. It can be applied any time after the bursting of the buds. Does no damage to vegetation nor to animals feeding under sprayed trees. V2 is a certain remedy and if applied thoroughly, the fullest measure of success is assured. Must be diluted 1 part of the Fluid to 100 parts of water, no stronger. 75c quart, \$2.50 gallon tin.

V3 Fluid—Kills all leaf eating insects, a scientific substitute for all crude, poisonous mixtures; does not injure the foliage and no sediment to clog the muzzles. Dilute 1 part to 100 parts of water and no stronger. 75c quart, \$2.50 gallon tin.

V2K Fluid—For every plant in greenhouse or garden (especially roses), that are subject to mildew, this is the remedy. It adheres until its action has effect, and does not discolor the foliage though it will discolor white paint. \$1.00 quart, \$3.00 gallon tin.

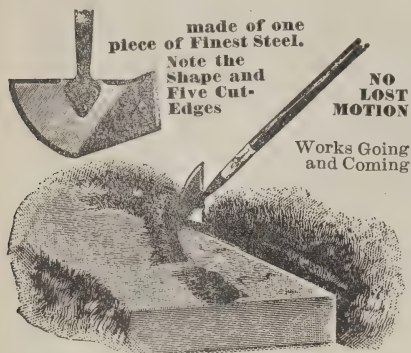
Fungicide (Not Poisoned)—An improved Bordeaux mixture, the best for potato disease, apple rot and scab, pear scab and leaf scald, and all other fungoid diseases for which sulphate of copper is the recognized remedy. Use 1 lb. to 10 gallons of water. 1 lb. tin, 25c, postpaid 45c, 5 lb. tin \$1.00, 10 lb. tin \$1.50.

Fungicide (Poisoned)—When Paris Green is recommended added to the Bordeaux mixture, use this preparation. 1 lb. tin 35c, postpaid 55c; 5 lb. tin \$1.25; 10 lb. tin \$2.25.

COOPER'S FLUID—Represents the ideal disinfectant for Farm and Household use. Is extremely efficient, pleasant and safe in use. It is an excellent disinfectant, a reliable sheep dip and an efficient hog and cattle wash, a guaranteed remedy for Scab, Sheep Ticks, Lice and ordinary mange. Quart \$1.00, gallon \$3.00.

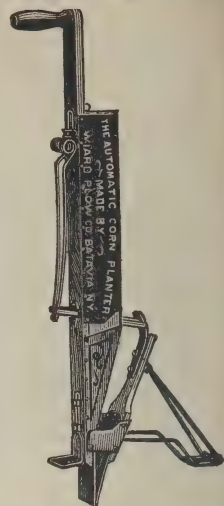
LABOR SAVING IMPLEMENTS

AUTOMATIC CORN PLANTER—The only reliable Corn Planter we have seen. Worked with one hand. It does the work thoroughly and saves a great deal of time and labor. Highly recommended. Price \$2.25 each here.



Hough Patent Hoe.

HOUGH PATENT HOE—A Combination Tool for the Garden or Lawn. A Weeder, Edger, Hoe, Spade and Sod Cutter—This is an improved implement, a simple tool which may be conveniently used for trimming the edges of lawns, walks and flower beds, and which may also be used as a weeding shuffle hoe and as a sod cutter. To use this hoe, you push and pull, or dig the same as with a spade. Price \$1.00 each here.

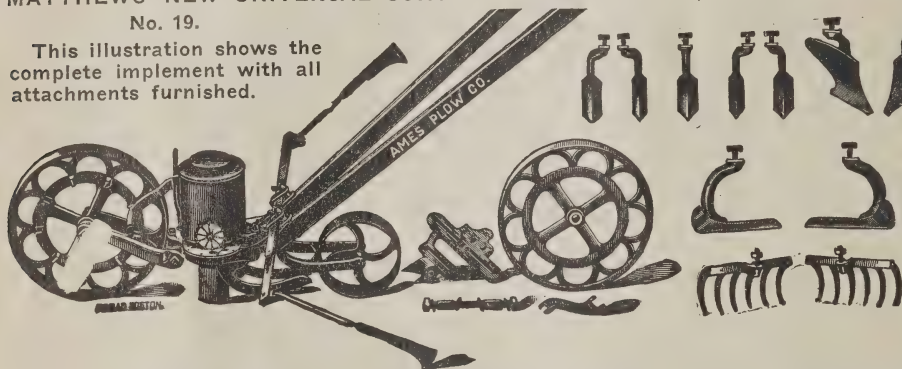


Automatic Planter.

MATTHEWS' NEW UNIVERSAL CONSTELLATION—SEEDER, HOE, CULTIVATOR, PLOW, ETC.

No. 19.

This illustration shows the complete implement with all attachments furnished.

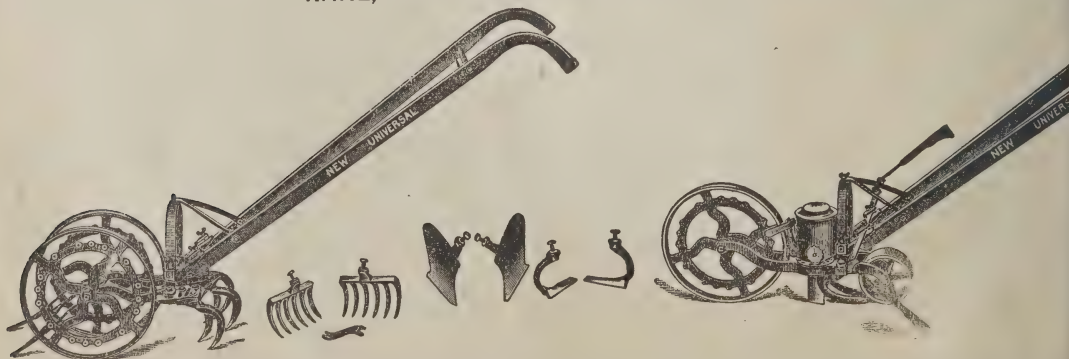


Six implements in one, each implement is entirely separate from the other, and the only parts used in each, the wheels and handles, are changed from one frame to the other by only two bolts. The cultivating attachments are shown detached. They are: 1 Cultivator Frame, 1 Centre Cultivator Tooth, and 1 pair each Hoes, Plows, Rakes, Markers, Narrow Cultivator Teeth and Wide Cultivator Teeth. Price, boxed, \$12.25.

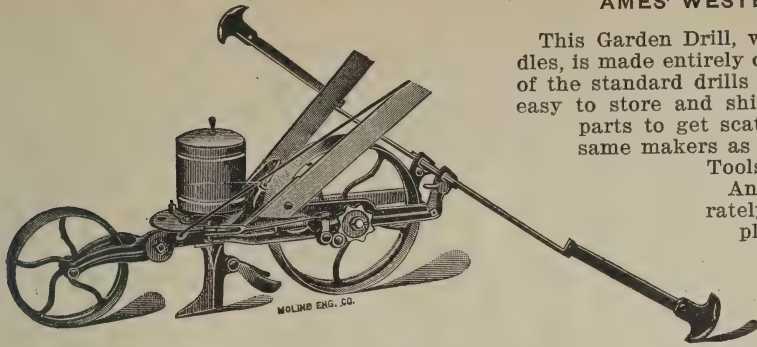
MATTHEWS' NEW UNIVERSAL COMBINATION SEEDER, HOE, CULTIVATOR, PLOW, RAKE AND MARKER. No. 119.

This is an improvement on No. 19, and has the same attachments, but differs in that it has the High Steel Arch for straddle row cultivation, which permits plants to be cultivated up to 20 inches in height without injury; it has also adjustable pads, allowing expansion from narrowest to 20 inches in width. Price, boxed, \$13.00.

MATTHEWS' NEW UNIVERSAL COMBINED HILL AND DRILL SEEDER, HOE, CULTIVATOR, RAKE, PLOW AND MARKER. No. 22.



This new implement combines the features of our No. 16 Hill and Drill Seeder with those of our No. 26 Expansion Wheel Hoe. It is a Single Wheel Seeder and a one or two wheel Cultivator, Rake and Plow; changed from Seeder to Cultivator by removal of two bolts. Above cuts show as a Seeder and a Two-wheel Cultivator. This is a grand combination and will give the best satisfaction. Price, boxed, \$14.50.

AMES' WESTERN GARDEN DRILL.

This Garden Drill, with the exception of the handles, is made entirely of iron, and is lighter than any of the standard drills in the market. It is compact, easy to store and ship, and has no loose or extra parts to get scattered and lost. Made by the same makers as the Matthews' New Universal Tools.

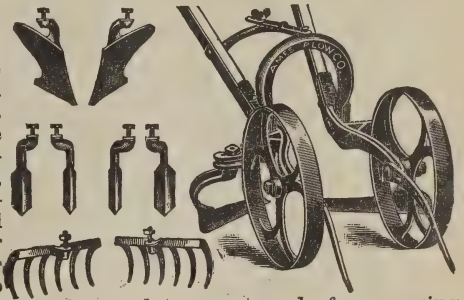
An adjustable gauge wheel accurately regulates the depth of planting.

Changes of feed can be made without removing machine from the ground.

Markers for marking the next row are provided, and do not need changing from side to side. The drill can instantly be thrown into or out of gear without letting go of the handles. Price, boxed, \$7.50.

MATTHEWS' NEW UNIVERSAL DOUBLE WHEEL HOE, CULTIVATOR, PLOW and RAKE. No. 14

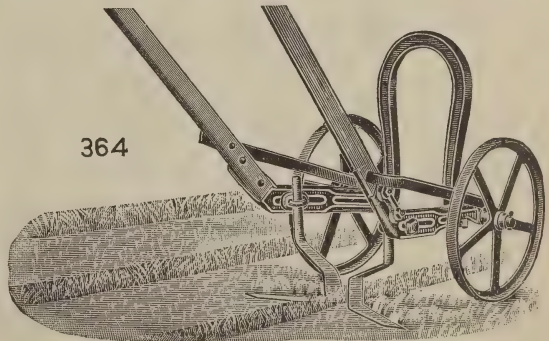
Specially designed for working both sides of the row at one passing. The special recommendation is the adjustable Arch, by which not only the depth of work can be gauged, but which by an ingenious device, enables the teeth to be pitched at any angle desired. It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil or crop. It can be used either astride or between rows. To work both sides of the row at one passing, the attachment can be set to suit width of crop to be cultivated, keeping row midway between the wheels; no need to watch the teeth. The hoe blades can be set to turn in or out as desired by the operator. Four cultivator teeth are furnished with each; two can be used at desired width to mark out rows. For furrowing, the plows can be set close together and turn outward; for covering set to width desired and turn inward. The depth can be regulated by adjusting wheel arms in the three holes provided on each side of the arch, also by pitching the arch by means of the arch brace and the thumb bolt, where it connects to the lower handle brace. The leaf guards are to prevent wheels from injuring large, spreading foliage. Price, boxed, \$8.00. With one pair Hoe Blades only, No. 15, \$5.00. With one pair Hoe Blades and Vine Guards, \$5.50.

**MATTHEWS' NEW UNIVERSAL EXPANSION DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW. No. 24.**

Extension pads, spring steel arch, and arch brace of same style as the High Arch Hoe just described, are used in the construction of this implement also, thus affording at a very low figure every essential to our new Wheel Hoe, except that the arch is not so high, and the wheels used are 10½ inches in diameter. The attachments are: 1 pair each Hoes, Plows, Rakes, Vine Guards, Narrow Cultivator Teeth and Wide Cultivator Teeth. Price, boxed, \$9.00. With one pair Hoe Blades only, No. 25, \$6.50. With one pair Hoe Blades and Vine Guards, \$7.00.

AMES' MCGEE PATTERN CULTIVATOR.

It has two wheels connected by a high arch like a tongueless cultivator; to the rear of the arch are fastened short beams having handles, and these beams are arranged for different kinds of attachments. The handles are connected also with the arch by lateral springs, peculiar to the "McGee," and one of its greatest points of merit. By means of these springs, adjustment to and from the row is accomplished instantly, and the knives at the same time kept under perfect control, so as to avoid injury to the plant. Each cultivator is furnished complete with a pair of cultivators, a pair of knives or hoes, and a wrench. The cultivators do thorough work in young corn and potatoes, as well as in all garden vegetables and small fruit, and can be used from one to four inches in depth. With the weeding knives nearly all hand weeding in onions and small plants is saved. Attachments, by which any class of work desired can be done, are furnished as extras. These attach to the beam in such a manner as to be adjusted forward or back, up or down, and to any angle with the row, or to the surface of the ground. Price, boxed, \$6.50.



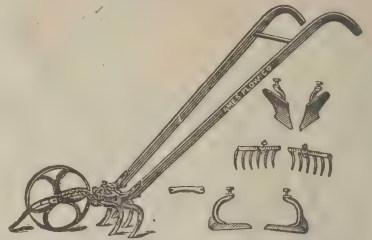
MATTHEWS' NEW UNIVERSAL SINGLE WHEEL HOE, CULTIVATOR, PLOW and RAKE, No. 13

As with the Double Wheel Hoe just described, it can be used either between or astride the rows, although it is really intended for between row cultivation. For astride cultivation, the wheel can be set to one side, so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows. The adjustment for graduating the depth of cultivation is unique and readily accomplished. There are five adjustments of depth. With 1 pair Hoe Blades only, \$4.00.



MATTHEWS' NEW UNIVERSAL HAND WHEEL PLOW. No. 10.

This little labor saving implement is one that commends itself to all gardeners. It can be used to prepare the ground, to furrow out, to cover, and to cultivate. The mould board is of steel, polished and tempered. Price \$3.00.



MATTHEWS NEW UNIVERSAL HAND PLOW. No. 9.

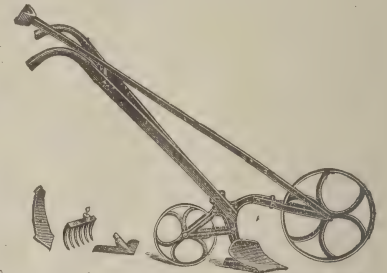
This is the same Plow and Standard as used in the new Universal Hand Wheel Plow, only fitted with a long handle, to be drawn, instead of pushed. Price \$3.00.

MATTHEWS' NEW UNIVERSAL HAND WHEEL PLOW, ETC.

Same as the Hand Wheel Plow, but has 12 inch wheel and the following attachments: 1 Landside Plow, 1 Sweep or Scuffle, 1 Rake and 1 Cultivator.. No. 112, price \$3.50.

MATTHEWS' NEW UNIVERSAL STEEL FRAME GARDEN PLOW AND ATTACHMENTS, WITH REAR WHEEL AND PUSH BAR. No. 118.

Same as No. 8, only having a push bar coming up between handles from the front wheel and which takes the weight off the body, thus making the work easier, and a rear wheel, which is a great addition. Front wheel is adjustable, and is 15½ inches in diameter; handles also adjustable.

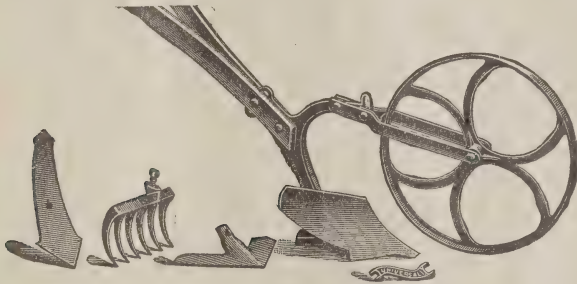


Garden Plow, Etc., with Push Bar

Price \$5.00. No. 116 Without Push Bar, \$4.50.

MATTHEWS' NEW UNIVERSAL STEEL FRAME GARDEN PLOW AND ATTACHMENTS. No. 8.

This implement, we believe, will prove a very acceptable addition to our line. The wheel is adjustable, and is 15½ inches in diameter. The handles are also adjustable. The finish is in the same style as our other implements of his well known line. The attachments are: 1 Landside Plow, 1 Sweep or Scuffle, 1 Rake and 1 Double Tongued Cultivator. Price, boxed, \$4.25.

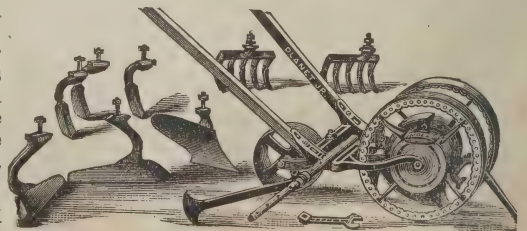


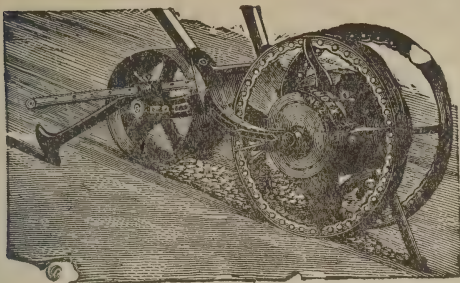
MATTHEWS' NEW UNIVERSAL STEEL WHEEL GARDEN PLOW AND ATTACHMENTS, WITH REAR OR TANDEM WHEEL. No. 216.

It is equipped with a front 16-spoke wheel, 24 inches in diameter, and with 1¼ in. face. By use of the rear wheel the implement is more easily pushed over the unevenness of the soil. The wheels are adjustable as well as the handles. The finish is the same as in the other new Universal Tools. Attachments furnished are: 1 Landside Plow, 1 Sweep or Scuffle, 1 Rake and 1 Double Tongued Cultivator. Price, boxed, \$4.50. No. 208, same as No. 216, without rear wheel. Price, boxed, \$4.00.

"PLANET JR. COMBINED DRILL, WHEEL HOE, CULTIVATOR, RAKE AND PLOW. No. 1.

As a Seed Drill, it is the same as No. 2, except in size. It holds 3 pints. Each tool is supplied with 1 pair of long hoes, 1 pair rakes, 3 reversible cultivator teeth, and a large garden plow. As a hoe it works safely and closely both sides of a row at once when plants are small, between rows when plants are large, working all rows up to 16 inches wide at one passage. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. Easily changed from a drill to its other uses. Price, boxed, \$13.50; without rakes, \$12.50.



**THE "PLANET JR." No. 2 SEED DRILL.**

Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds three quarts. It has no cams, cover brushes, cogs, springs or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate. remarkable for simplicity, strength, and for ease and perfection of work in the field. It can be set to run deep or shallow, and the seeds are deposited in a narrow line. Price, boxed, \$10.60.

"PLANET JR." No. 3 HILL AND DRILL SEEDER.

This is the same tool as the No. 5 Seeder and just as good, except that it is smaller in size. The hopper holds three quarts. 15-inch patent steel driving wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow faced, leaving a wide, smooth track for the wheel hoe. Price, boxed, \$14.60.

"PLANET JR." No. 4 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, and as a seeder sows in continuous rows, or drops in hills at different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple, and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow, or cultivator. Price, complete, boxed, \$15.50; as Drill only, \$12.50.

"PLANET JR." No. 5 HILL AND DRILL SEEDER.

This Seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills, and also sows in hills at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by removing a convenient lever, or the flow of seed stopped by pushing down the seed rod. No time is lost; no seed is wasted. It is quickly set to sow different kinds of seed in the exact thickness desired. It covers and rolls down light or heavy, and marks the next row clearly; has 16½ inch patent steel drive wheel; hopper holds five quarts; it runs light, and sows equally well with a full hopper or a tablespoonful of seed. We guarantee this drill to be more accurate than any other made, and to give satisfaction in every respect. Price, boxed, \$18.00.

"PLANET JR." No. 6 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

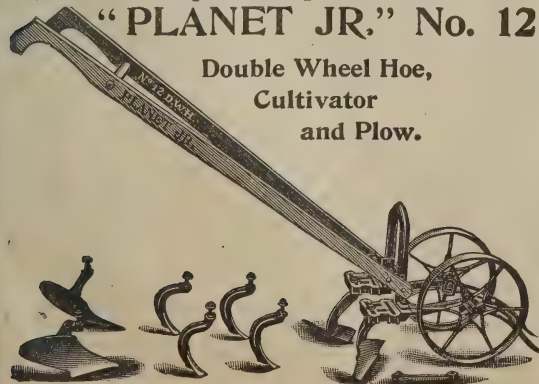
It will drop in hills and sow in drills all garden seeds with the greatest regularity to any exact depth required. Covers, rolls down and marks the next row at one operation. The handles are adjustable for either man or boy. The wheel is 16½ inches high, making it an easy running tool. The feed is the most accurately constructed and the cut-off works smoothly and accurately. It drops in hills 4, 6, 8, 12 and 24 inches apart, and the change from hill to drill and vice versa can be made in a few seconds. The index is of a new design, easily adjusted by means of an accurate thumb screw. As a Wheel Hoe, Cultivator and Plow it is an exceptionally easy running tool. The equipment consists of two 6-inch Planet Jr. Hoes, three improved Cultivator Teeth, and a large Garden Plow. Taken altogether, it is the most complete tool sent out by the "Planet Jr." Company. Price, boxed, \$19.75, as Drill only, \$16.50.

"PLANET JR." No. 11 DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

Changes and adjustments of the tools are made with the greatest quickness. It has 14-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set three different heights. The handles are adjustable at any height. The arch is of stiff steel, unusually high, the quick change frame permits the tools to be changed without removing the nuts. Seven pairs of tools go with the complete wheel hoe. All the blades are of tempered and polished steel. Price \$12.85.

"PLANET JR." No. 12

**Double Wheel Hoe,
Cultivator
and Plow.**



This tool has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set at three different heights. The handles are adjustable, and being attached to the arch, are entirely undisturbed in making changes in the height of the frame, width of wheels, or in the adjustment of the tool otherwise. The arch is of stiff steel, unusually high. The design of the frame is novel, allowing all changes of tools to be made without removal of the nuts from the standards. All the blades are tempered and polished steel.

Price, boxed, - - - - \$10 25

No. 13—This tool is the No. 12, with 6-in Hoes only

Price, boxed - - - - \$7 00

"PLANET JR." No. 25 COMBINED HILL AND DRILL SEEDER AND DOUBLE WHEEL HOE.

It is large enough for field use, for it holds $2\frac{1}{2}$ quarts, and has $11\frac{1}{4}$ inch wheels, which are just the right size. As a drill it is almost identical with the "Planet Jr." No. 4 Drill, will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear, and the new combined cut-off and seed index with the thumb-screw adjustment. As a Wheel Hoe it is identical with the "Planet Jr. No. 12 Double Wheel Hoe. The change from Drill to Wheel Hoe takes but a moment. Price, boxed, \$18.75; as Drill only, \$15.75.

"PLANET JR." No. 14 DOUBLE WHEEL DISC, HOE, CULTIVATOR AND PLOW.

This new tool will give excellent satisfaction; especially pleasing to all. There are three discs, oil tempered, on each side, which may be all used at once, or two on a side, as preferred. With the leaf lifters the work can be done without danger of cutting off the leaves and injuring the plants. The discs are also adjustable for depth and to throw to or from the row, as desired. The set of prong-cultivator teeth is constructed on entirely new lines, and will be found invaluable in general cultivation. The tooth next to the row is narrow and is arranged to run shallow, the middle tooth is wider and runs $\frac{1}{2}$ inch deeper, while the outside tooth is very much wider and runs $\frac{1}{2}$ inch deeper still, so that the work is finer and more delicate next to the row, to avoid injury to the roots of plants, and deeper in the centre. The teeth are also set out of line from front to back, which makes them work with greater freedom. The plows are the regular "Planet Jr." model. Price complete, \$9.75; plain \$7.35. The attachments will fit the Double and Single Wheel Hoes and are sold separately if desired. Prices, Discs, per pair, \$3.50; 3-prong Cultivator Teeth, per pair, \$2.15.

"PLANET JR." No. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

This is a perfect Wheel Hoe for gardens and private places. It is very light, strong and easy running, has adjustable handles and frames, easily adapted for quick changing of teeth. The equipment is a most useful one, and will be found just right for a great variety of work. The frame changes in height and the wheel to the other side of the frame to hoe both sides of the row at once. Price boxed, \$8.55.

No. 17—This tool is the No. 16, without the leaf guards or rakes. Price, boxed, \$7.30.

No. 17 $\frac{1}{2}$ —This tool is the No. 16, without the plow or rakes. Price, boxed, \$6.45.

No. 18—This tool is the No. 16, with one pair 6-inch hoes only. Price, boxed, \$5.30.

"PLANET JR." No. 38 SINGLE WHEEL DISC HOE, CULTIVATOR AND PLOW.

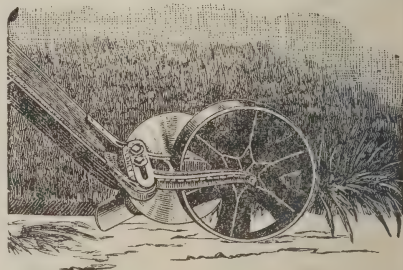
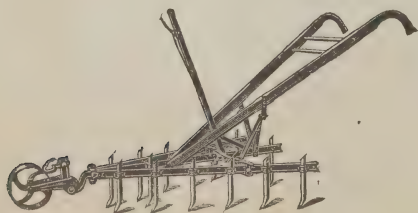
This occupies the same position among Single Wheel Hoes as No. 14 among Doubles. Complete \$10.00.

**"PLANET JR." DOUBLE WHEEL BUNKER AND TRAP WEEDER, AND LEVELER.
FOR GOLF COURSES.**

This new member of the family has been brought out to meet the demands from the green keepers of various golf courses for a tool with which to keep the sand in the bunkers free from weeds and in good condition. It is used at the speed of a moderate walk, a forward stroke being made at each step. Admirable as a wheel rake and leveler, finishing a strip thirty inches wide at each passage. It has been used extensively in England and Scotland, and gave such excellent satisfaction that we now offer it here. A few were sold for the first time in 1914 in America, and proved satisfactory in every respect. Price, boxed, \$11.00.

**"PLANET JR." GRASS EDGER AND STRAWBERRY
RUNNER CUTTER.**

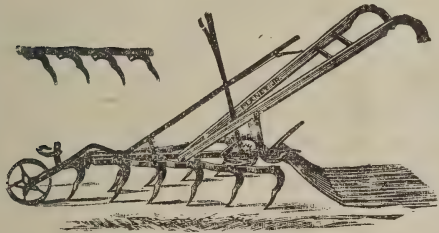
Extreme neatness is the great secret of attractiveness in grounds surrounding a house. The Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds. Strawberry growers find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. \$8.25.

**NEW UNIVERSAL HARROW CULTIVATOR. No. 49.**

For fine work among small plants where it is desired simply to loosen and pulverize the soil, this style of cultivator is unsurpassed. It is especially desirable in the working of strawberries. Adjustable and reversible steel teeth, diamond shaped, may be used either end up, and may be set either straight or slanting backward or forward. One end of each tooth is cut plain, while the other end is curved and forged. It has 14 teeth, expanding lever and wheel lever. We recommend this implement as the strongest and best Harrow Cultivator made. Price \$10.00.

NEW UNIVERSAL HOLLOW STEEL STANDARD HORSE HOE AND CULTIVATOR. No. 42

The new Universal Horse Hoes and Cultivators are recommended as strictly first-class, and the peer of any similar implement on the market. The frame is made of special quality steel, and is longer and higher than usual to give better control of the implement and keep clear of trash. The tooth standards are pressed from hard sheet steel, forming a hollow back and a round front. They are strong and easy of adjustment. The hoe standards take either hilling mould or cultivator teeth, and may be turned all the way round to give any sideways angle desired, and to use the hilling moulds with point foremost or the reverse. The expanding bars are strong and are reinforced by the outside handle braces. The wheel lever and expanding lever are so shaped as not to interfere one with the other. It has the rear depth regulating wheel, which is operated by wheel lever in unison with front wheel, which keeps it perfectly level under all conditions. This may be detached if not wanted. The handles are of increased length to correspond with the long frame, and are adjustable. Attachments: Five Cultivator Moulds, three Hoe Moulds, Expanding Lever and Wheel with Lever.—Price \$10.50.

**THE "PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.**

This tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface, the recurved throat of the tooth and the high frame preventing clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion, at medium width, and are interchangeable. They may be worn off three inches before requiring renewal, and yet retain their original cutting width, and are cheaply replaced when worn. The tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated by the foot instantly while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal. It cultivates deep, without throwing earth upon the plants, and the teeth turn strawberry runners without injuring them. Price, with Wheel, \$11.00; Complete, with Pulverizer, etc. \$12.50. Strawberry Runner Cutter Attachment, \$2.50 extra.

THE "PLANET JR." No. 8 HORSE HOE AND CULTIVATOR.

This machine is very strongly made, yet light and easy to handle.

The frame is longer than usual, and about one and a half inches higher, making a tool that will not clog easily. The standards are framed up hollow, with round throats of stiff steel; they polish quickly and free themselves rapidly from obstructions, and they clasp the frame and strengthen it. The depth is under perfect control by means of a new lever wheel and the new patented depth regulator; these are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. The Expander—This is an entirely new pattern, superior to other forms; exceedingly strong, simple, accurate and positive in all positions. Handles and Braces—These are absolutely new, and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of the handles in height and sidewise. The Reversible Side Hoes, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end the tool becomes a genuine Horse Hoe, working so shallow and so closely, without injury to the roots, that an immense amount of hand labor is saved. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. Price \$12.00.



We have Special Catalogues giving full description and directions in regard to Lawn Mowers, Spray Pumps, including Spraying Calendar and Mixtures, Drills, Hoes, Cultivators, etc.

We mail these on application.



PENNSYLVANIA LAWN MOWERS.

This quality of Mowers has stood the test for 30 years, and there is nothing as good for jobbing gardeners, parks, cemeteries, and large private grounds. The use of high cost steel in our knives and the tempering of each blade, both stationary and revolving, is confined to our works. Having our own factory, we produce a grade of casting better than we can buy. Having originated the open cylinder and open wheel, the train of gears, the self-sharpening mower, and the first successful ball-bearing mower, we have proved the superiority of our mechanical equipment. The machines cost the user less than any others for repairs and re-sharpening, and their long life reduces the original price to a nominal yearly amount.

Pennsylvania—The best for every class of work; will last longer and do more than any other machine; 8 inch wheels, 4 blades, 5½ inch cylinder. 16-inch, \$13.50. Braun Grass Catcher \$2.25 extra.

Pennsylvania Junior, Ball Bearing—The perfection of lawn mower construction, 5 tempered crucible steel blades, self-sharpening lower knife, ball-bearing cylinder journals, 8-inch wheels, 5 blades, 5½ inch cylinder. 16-inch, \$13.50. Braun Grass Catcher \$2.25 extra.

Great American Ball Bearing—The first successful ball-bearing mower; the largest sale of any, and the best all-round mower of its class in the world. Positively self-sharpening; very easy to run. 10-inch wheels, 5 blades, 6-inch cylinder. 17-inch, \$14.50. Braun Grass Catcher, \$2.25 extra.

Golf Ball Bearing—Is especially adapted for golf links, tennis courts, bowling greens and cricket creases. Can be adjusted to cut 3-16 of an inch, practically shaving the lawn. Has sectional iron roller, 8 inch wheels, 5½ inch cylinder, 6 blades, high-class. Price, 16-inch cut, \$23.00. Special grass box, \$3.25 extra.

Putting Green—Unexcelled for cutting undulating or wavy greens; also Tennis Court and Cricket Creases and lawns requiring very close and smooth cut. Has cast iron roller 7 inches in diameter, six blades; 5 inch cylinders. Price, 16-inch cut, \$20.00. Special Grass Box, \$3.25 extra.

Delta Ball Bearing—A cheaper machine, but Pennsylvania quality and warranted to give satisfaction. High-grade at low

price. Has dust-proof bearings, 8-inch wheels, four blades, 5-inch cylinder. Price, 16-inch cut, \$7.50. Braun Grass Catcher \$2.25 extra.

The Hamilton—In manufacturing the most of low-priced machines, no thought is given to the quality, the object is simply to sell it at a low price, with the result that you have the most expensive mower you can buy, as they are no use before a season is over. This make is different, as it is made of the best material and by skilled labor. The blades are crucible tool steel, oil hardened and tempered; the lower or stationary knife is hardened spring steel, and by keeping in proper adjustment the mower will run for years without sharpening. The castings are machined to accurately fit, insuring noiseless action, easy pushing and smooth cutting. We can replace any broken or worn out parts cheaply. 8-inch wheels, 5-inch cylinder. Price, 16-inch cut, \$5.00. Braun Grass Catcher, \$2.25 extra. This machine cannot be equalled at the price.

Pennsylvania Pony Mower—This machine bridges the space between 21-inch hand mowers and horse size, combining strength of latter with the mobility of the former, making it especially useful on large lawns, where the surface is broken by walks and shrubs, or is too hilly for horse mowers. It can be handled by two men. The 4-knife machine is fitted with Enos folding self-sharpening lower knife, double train of gears, extra wide blades, and large cylinder, fitting it for use in high grass. The 6-knife machine has the upturned lower knife used in our golf, hand and horse mowers, making it unrivalled for fine lawn and golf greens. 4-blades, 25-inch cut, \$50.00; 6 blades, 25-inch cut, \$57.00.

THE NEW PENNSYLVANIA GRAND HORSE MOWER

The new machine in addition to the good qualities of our regular Horse Mower, has some features that are distinctly its own, which will recommend it to all who use horse power machines.

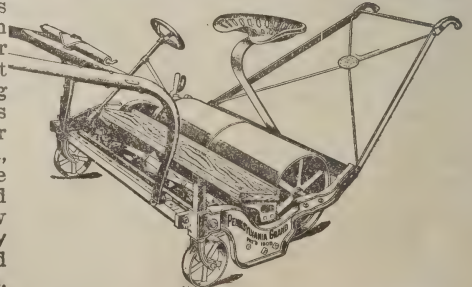
Cutting Adjustment—The wheel at the right of the driver's seat regulates the height of cut from ¾ inches to 2½ inches. The operator, without leaving his seat, can instantly change from low to high cut, or an intermediate one.

Cylinder Adjustment—All wear of either revolving or stationary knives is taken up by a pair of set screws on the top of the cylinder journal boxes, allowing the cylinder to drop on the stationary knife, which is rigidly bolted and remains fixed in place. The cylinder journals run in phosphor bronze boxes, and these are split, so that all wear can be taken up by a set screw. The journal box is floating or self aligning, similar to that used so successfully for the past twenty years in our New Departure Hand Mowers.

Self-Sharpening Stationary Knife—This blade is made of crucible tool steel, hardened and tempered, and is the raised lip or turned edge style, peculiar to our horse mowers. If kept in adjustment the machine will not require sharpening until the lower blade is worn flat, when a new one can be had at less than the usual cost of re-grinding other makes. Diameter of cylinder 7½ inches. Diameter of drums or rollers, 15 inches.

Price, complete with seat, shafts, etc., 30-inch cut, 4 blades, \$125; 6 blades, \$135. Braun Grass Box \$20.00 extra. 38-inch cut, 4 blades, \$152.50; 6 blades, \$165.00. Braun Grass Box, \$30.00 extra.

Special Catalogues of Lawn Mowers, Spray Pumps, New Universal and Planet Jr. Tools, Incubators and Brooders on application.



THE PENNSYLVANIA BALL BEARING LAWN TRIMMER AND EDGER.

To meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns after mowing, we have revived a little machine that we made 27 years ago—reducing the weight and adding ball-bearings to the cylinder. The new machine will cut to within three-eighths of an inch of wall or tree trunk and mow any border wide enough to run one wheel on. Its construction is similar to all other Pennsylvania products—crucible tool steel in both cylinder and stationary blades. Self-sharpening. Ball-bearings, with patented Pennsylvania adjustment. Built for service and long life. Light running. Easy to handle. Largely used in cemeteries. Highly recommended. Price \$8.00.



UNDERCUT BALL BEARING LAWN TRIMMER.

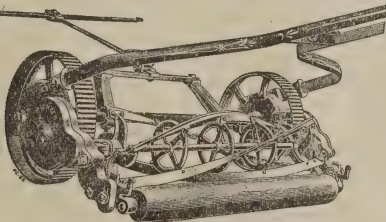
An improvement on above in that it will cut under a fence or any overhanging projection. Price \$10.00.

THE GEM LAWN CLEANER

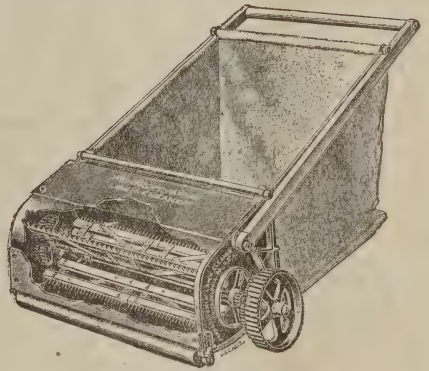
This machine will clean your lawn more thoroughly and quickly than three or four men can do it with hand rakes, and will greatly benefit the turf. It leaves the grass standing straight and strengthens it and other running weeds, so they will be cut closer by the lawn mower and sooner destroyed. It is made of metal, wood and canvas, and is put together in the most durable and thorough manner. This combination makes it lighter and less noisy than all metal. It combines strength and durability with light construction. It cleans twenty-four inches—longer rakes make the work too heavy, and any shorter do too little; only one size is made. A strong current of air, created by a rapidly revolving fan with metal teeth, is the principle by which this machine cleans a lawn. The metal teeth rake up everything on the surface of the lawn, in combination with the current of air, carry it to the canvas receptacle or basket, which is large and is easily emptied when full. Cut grass left on the lawn smothers the new growing shoots. \$22.50 each. We highly recommend it.

DAISY
HAND SEEDER

75c each, postpaid \$1
See page 90



Pennsylvania Pony Mower.



Pennsylvania Lawn Cleaner.

GEYSER LAWN AND FLOWER BED SPRAYER.

One of the best on the market, nothing to get out of order; does away with watering cans. It is made of solid brass and finished in nickel. See cut, page 122. 40c each here. Postpaid 50c.

NIAGARA LAWN SPRAY

The ring is $8\frac{1}{2}$ inches in diameter, made of heavy brass. It is a wonder in simplicity, in construction and effect. Two pieces of heavy brass are used to form the Niagara Lawn Spray. The upper circle is stamped to give greater strength and to furnish the three different angles to the spray. The three rows of perforations are of very small size, and do not permit the escape of any stream of water that will wash away the dirt or injure any flower bed. The brass screw for attaching to the hose is machine turned inside and out, gives neatness great strength and perfect fit on the hose connections. There are no loose or moveable parts to get lost or out of order like the whirling sprinklers. The Niagara Spray will last a lifetime and give the most satisfactory results of any device of the kind ever invented. 75c each here. Postpaid \$1.00.



Niagara Lawn Spray.

MYERS' BUCKET SPRAY PUMP.

Is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulae for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all on the downward stroke of the piston and nothing on the up; the effect of this operation while pumping is to hold the pump down, the foot-rest steadies the pump, holding it in a proper position. It is provided with a large air chamber, and has ball valve. The pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. Will throw a solid stream fifty feet, and is of unusual value for washing windows, buggies and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet at the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only and a very necessary feature to a spray pump. Brass Pump with Agitator, complete with hose, graduating Vermorel, fine, coarse spray and solid stream nozzle and malleable footrest, \$5.50.

MYERS' LEVER BUCKET SPRAY PUMP.

This is an improvement on the above pump, being constructed on the same principle, but differing by having an extra large air chamber and a lever handle, which add greatly to the ease in pumping; it has also a top casting to attach to a barrel if preferred. Price complete with agitator, hose and graduating Vermorel nozzle, \$6.00.

MYERS' IMPERIAL BARREL SPRAY PUMP.

This pump is made of brass, and is powerful and easy to operate. It is made on same principle as the Bucket Pump, but larger—has lever handle, 2-inch cylinder and air chamber, patent agitator, ample capacity for two

Myers' Bucket Pump

streams, and is fitted with a top casting to bolt to chime of barrel. Complete with 5 feet of $\frac{1}{2}$ -inch 3-ply hose and graduating Vermorel nozzle, \$12.00.

Eight foot Extension Pipe, for above Pumps, 50c extra.

MYERS' FOUNTAIN KNAPSACK PUMP.

It is constructed of first quality of galvanized iron, with round corners, removable strainer and tight lid, which prevents liquid from splashing on operator. It is fitted with adjustable straps, so as to be carried on the back or can be carried by bail. It is tapped at both right and left hand lower corners, and fitted with brass female ends, to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used, the other opening is closed with a metal plug, furnished for that purpose. The hose and bulb used are made of the best white rubber, and protected at each end by coiled wire to prevent breaking. The valves are made of brass and will not corrode, have large openings which permit the free flow of water, and shut off instantly when under pressure. The nozzle is made of brass, nickel plated, has 50 small openings, and throws a spray 6 feet wide at a distance of 12 feet. The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from 3 to 15 feet if desired, on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose. The operator can cover one or two rows of plants or vines if desired, and do the work at a rapid walk, thus covering a large amount of territory in a very short time. Holds 5 gallons. Weight 52 lbs. when full. All working parts are brass.

Pump, with one tube, rubber bulb and rose, \$5.00. Pump, with two tubes, rubber bulbs and roses, worked by both hands, \$6.00.

AUTOMATIC SPRAYER, IMPROVED

A self-operating or automatic sprayer. You hold the hose, the machine does the work. The climax of all Sprayers; combines every conceivable point of excellence, including economy, durability, low price and ease in carrying and operating.

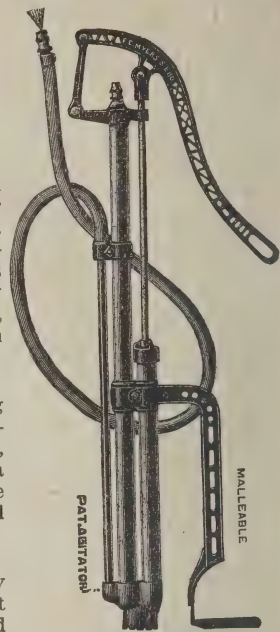
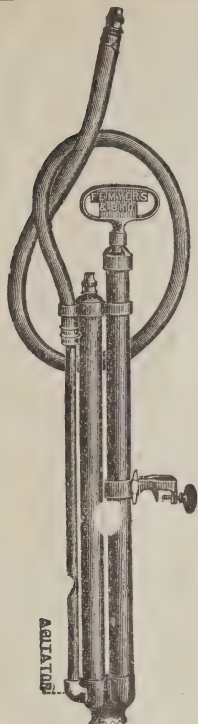
DIRECTIONS—This cut shows the air chamber and reservoir combined. Fill the reservoir not more than two-thirds full with the solution ready for spraying, insert air pump at the end of can and all is ready for the operation. The Sprayer being carried by the shoulder strap, leaves both hands of person operating with nothing to do but direct the spray. Spray can be made to flow slower or faster by merely turning the cock of the spray nozzle, and will throw either a cloud-like shower or a solid stream.

A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous stream for 9 minutes. This means that the Sprayer can be charged in 15 seconds, when it will work uninterruptedly long enough to spray $\frac{1}{4}$ acre of potatoes.

Weight, empty, 7 lbs.; loaded 39 lbs.; capacity about four gallons.

Prices—Sprayer, complete with hose, stopcock and nozzle, galvanized steel tank, \$5.00; with brass tank, old style, \$7.00; latest improved, \$7.50.

Extras—Extension pipes, 2 ft. lengths, galvanized steel, brass ends, 40c; solid brass, 50c. Auto-Pop and Auto-Choke Nozzle, \$2.00. Auto-Pop and Auto-Choke Nozzle instead of Stopcock, \$1.00. We highly recommend the Automatic Sprayer, which we have handled for some years with satisfaction to our customers.



Lever Bucket Pump.

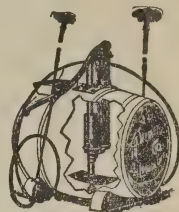


SPRAMOTOR OUTFITS

The Spramotor is so favorably known in Canada that we can only say we know of no better spraying machine. These machines were awarded the Government Spraying Contest, the Gold Medal at the Pan-American Exhibition, and the highest awards at Glasgow, Toronto, Ottawa and Halifax, and has lately been awarded Gold Medal at National Horticultural Congress at Council Bluffs, and purchasers may be sure of getting strictly high-grade machines.

SPRAMOTOR FRUIT SPRAYING OUTFITS.

Spramotor Jr. No. 1	\$12 00
Spramotor Jr. No. 2	15 00
Extra, for all brass	3 00
Spramotor Jr. No. 1, with 10 ft. hose and nozzle	14 00
Spramotor Jr. Outfit No. 110, being Spramotor No. 1, with hand valve, 10 ft. hose, iron extension rod, with drip guard and 2 nozzle cluster ..	17 10
Same, if with bamboo extension pipe, No. 107...	18 85
Spramotor Outfit No. 112, being Spramotor No. 2 with hand valve, 10 ft. hose, bamboo extension	



Nothing about the spraying outfit is of such vital importance as the nozzles, which, if faulty, will not apply the spray in the proper way, nor save the crop. The greatest care is exercised with Spramotor nozzles, and they are as near perfection as possible.

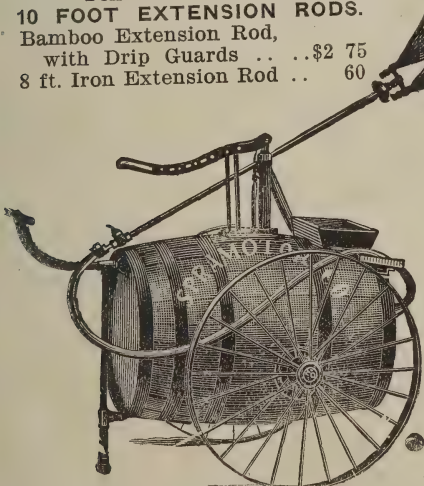
NOZZLES.

Single Nozzle	\$0 50	3-nozzle Cluster	\$2 00
Double Cluster	1 40	Y Connection	40

STOPCOCKS

Plain .....	.60c	Leakless .....	.80c	Patent Hand Valve	\$1 00
Ten Foot Hose and Couplings, 10 FOOT EXTENSION RODS.				Drip Guards, 40 cents.	

Bamboo Extension Rod, with Drip Guards ..	\$2 75
8 ft. Iron Extension Rod ..	60



Same, if fitted with No. 1 instead of No. 0

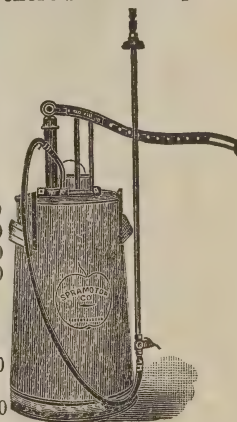
Same, with No. 1, all brass

ROW SPRAYERS.

2-row Brass Sprayer, with nozzles,	\$3.70
3-row Brass Sprayer, with nozzles,	5.40
4-row Brass Sprayer, with nozzles,	10.40
5-row Brass Sprayer, with nozzles,	12.60

SPRAMOTOR CAN OUTFITS, AS SHOWN.

Spramotor No. 0, with 10 feet hose and nozzle	\$8 00
Extra, for heavy galvanized can	\$2.50
No. 103, same, if with bamboo extension pipe, hand valve and can	\$13 50
Spramotor Outfit No. 102, as shown, for spraying fruit trees, with 10 feet hose, hand valve, extension pipe, with drip guard, without can	\$10 45



THE SPRAMOTOR WHEEL OUTFIT, NO. 105.

With No. 0 Spramotor, fitted as illustrated, with 5 feet of hose, patent hand valve, 8 foot extension pipe, with patent drip guard and nozzle. Price, complete ..	\$21 00
Same, if with bamboo extension pipe, 8 or 10 feet ..	22 75
Same, if with all brass, No. 0	23 00
Same, if fitted with No. 1 instead of No. 0	27 00
Same, with No. 1, all brass	30 00

HAND SPRAMOTOR OUTFITS FOR POTATO, MUSTARD, VINEYARD AND TREES

OUTFIT NO. 123.

Spramotor No. 2, all brass	\$18 00
Mounted on 50-gallon cask	4 00
Six feet Extra Quality Hose and Couplings ..	1 50
Four-row Brass Surface Sprays and Nozzles ..	10 40
Row Sprayer, Support and Rack	8 00
Hand Valve	1 00
One-horse Cart	22 60

OUTFIT NO. 124.

Same as Outfit No. 123, only with Spramotor Jr. No. 2, with brass working parts	\$62 50
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OUTFIT NO. 125.

Same as Outfit No. 123, only with Spramotor Jr. No. 1, all brass	\$62 50
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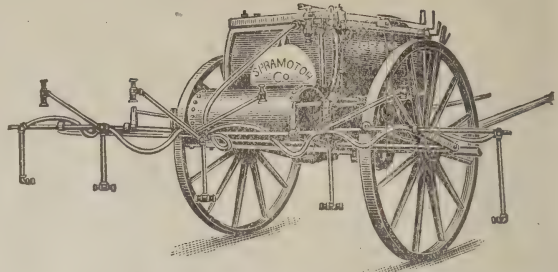
OUTFIT NO. 126.

Same as Outfit No. 123, only with Spramotor Jr. No. 1, brass working parts	\$59 50
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Total

HORSE POWER SPRAMOTOR.

The machine, as shown, is for potato spraying, with a four row bottom and top Sprayer, two nozzles spraying the vines from below and one from above to each row. We give a few of its chief points. The tank will hold 84 Imperial or 100 U. S. gals.; is made of low down compact design of cypress and provided with three bands with bolts, whereby any shrinkage may be taken up; and has a large manhole for filling. The brass suction cock in the suction pipe permits emptying the tank, charging the air tank with compressed air, or shutting off the supply to the Spramotor at will. The



agitator of the revolving pattern, made of wood, fastened together with brass screws, and swings on brass bearings, and actuated by sprocket from the axle. It will thoroughly stir and keep of uniform strength any mixture used in spraying. The axle is of cold rolled steel, 1½ in. in diameter, of any length to suit the work to be done, in machined bearings, and turns only one way. Each operates independent of the other, both driving by separate ratchets. The width of row may be changed from 26 in. to 36 in. by simply extending the standpipes along the spray rod. The wheels may also be moved at will to track any width of row desired; have iron hubs with internal ratchets; 48 ins. diameter, 3 in. tires, of best selected stock. The motor is our Special Horse Power Duplex that has 2 in. cylinders and 6 in. stroke, double acting, fitted with automatic self-packing, extra long plungers that will run a season and not leak. These plungers can be removed and replaced in five minutes at any time. With the addition of the large air chamber, orchards of peaches, plums, pears and medium sized apple trees may be sprayed in passing, while the largest sized apple trees may be sprayed by circling the tree, or spraying a half of each tree in a row, and then recrossing the rows. With a 4-nozzle cluster, a stop of 2 minutes at a time is possible. The nozzle protector is one of the best arrangements yet devised to screen spraying mixtures under pressure. It is made entirely of brass, presents the largest area of double screen, and can be cleaned mechanically from the driver's seat. When it is opened the pressure drives all the sediment back into the tank, and by holding it open, the nozzles are stopped and the fluid allowed to flow into the tank till the pressure is gone. This model machine includes automatic and hand pressure regulator, 200 lbs. pressure gauge, automatic nozzle adjuster, patent nozzle protector, cover for motor, arranged for one horse. Price, complete as shown, \$185.00.

The Vineyard Spramotor is the same in every way as above, except the vineyard spray stand pipes have 4 nozzles on vertical pipes, that are, by means of our Patent Nozzle Adjuster, held in vertical position automatically. The nozzle and pipes are adjustable as to width apart; height and each side may be changed as to width. Price, complete, \$187.00. Derrick for tree spraying, \$5.00.

AUTO SPRAY NO. 37---CONTINUOUS ATOM

Capacity either one or two quarts.

The Auto-Spray No. 37 operates continuously on both the up and down stroke and throws a fine, misty spray.

Will handle all solutions, insecticides and disinfectants. Used in the greenhouse, kitchen garden, window garden, or for rose bushes and in the poultry house.

Pump cylinder 15 in. by 12 in. diameter, retinned by special process and is non-corrosive where it comes in contact with solution. Plunger rod ¼ in. copper-plated steel.

This pump has a brass ball valve and this valve can be opened by merely unscrewing the cap. The ball can be immediately taken out and there is no danger of the sprayer becoming clogged at this point. By removing the spray cap the syphon tube can be easily withdrawn and cleaned. There is no danger of the syphon tube becoming clogged in this pump. The filler cap is re-enforced with thumb levers, easy to open for filling.

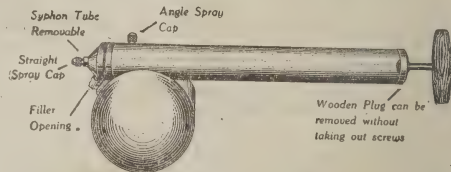
Two spray caps—one straight, the other at an angle for reaching under leaves or spraying directly down. Construction of tank permits the sprayer to be operated at any angle and it will not tip over when filling.

By a convenient arrangement the wooden plug that guides the handle can be taken out of the pump cylinder without removing any screws.

The Auto-Spray No. 37 is high'y finished—red striped—pump cylinder in brass tone lacquer.

Auto-Spray No. 37C—One quart, tin pump, brass tank \$1.35; postpaid \$1.60.

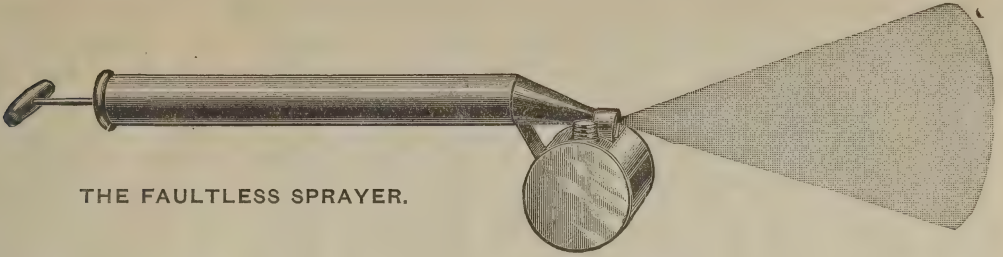
Auto-Spray No. 37E—One-half gallon, tin pump, brass tank, \$1.65; postpaid \$2.00.



BRASS SYRINGES



Best English, 16 inch, \$3.50; 18 inch, \$4.50. Good English, 18 inch, \$3.50. Special English Gardeners' Syringe, 20 inch, \$2.50.



THE FAULTLESS SPRAYER.

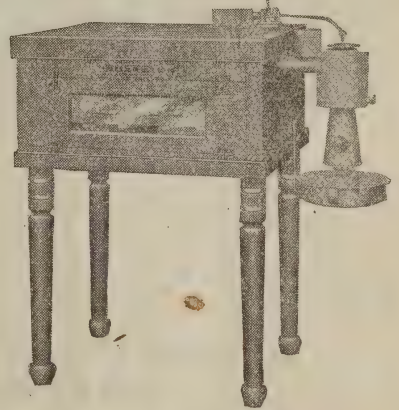
Made in brass and tin; throws spray as fine as mist. Adapted for the destroying of every kind of insect. It is economical, will not drip, and its shape is such that as it sprays up or down, all the liquid is pumped out, leaving but a spoonful in the can. It is absolutely the best constructed sprayer of its class ever offered to the trade. For strength and durability it has no equal. The tapering point to air chamber gives great force to the spray, carrying it to the greatest possible distance. This tapering tube also allows the air chamber to be fastened to the tank in the most substantial manner. The tube of air chamber is soldered to top of reservoir and also supported by a broad strip of metal passing over point of tube. The point of air chamber and small tube through which the liquid passes are thoroughly protected from damage in use or shipping. Piston rod is spring steel wire and cup leather plunger. One-half teaspoonful of Paris Green and one filling with water is sufficient to destroy all the bugs on 1,300 hills of potatoes.

Prices—Tin, with Galvanized Tank, 65c; postpaid, \$1.00. All Brass, \$1.15; postpaid, \$1.50.

BUCKEYE INCUBATORS

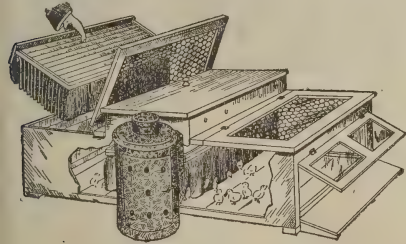
These are the best on the market, and are guaranteed to give satisfaction. The makers have been in the business for 25 years and during this time have sold 400,000 and they found that the hot water system was the only perfect one. They are very simple and easily run and have given perfect satisfaction to all users. Send for Special Catalogue with recommendations. They hatch every hatchable egg.

No. 14—For table, 60 eggs, \$10.50; No. 15—60 eggs, on legs, \$13.50; No. 16—On legs, 110 eggs \$18.75; No. 17—On legs, 200 eggs, \$24.00; No. 60—Standard, 60 eggs, \$18.50; No. 1—Standard, 110 eggs, \$26.00; No. 2—Standard, 175 eggs, \$32.00; No. 3—Standard, 250 eggs, \$41.00; No. 4—Standard, 350 eggs, \$47.00; No. 5—Standard, 600 eggs, \$75.00. The Standards have copper tank; Nos. 14 to 17 only galvanized.



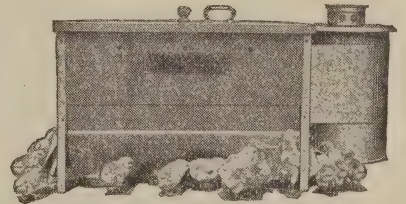
BUCKEYE BROODERS

It is much harder to raise chicks than to hatch them. Our Brooders are perfect and are constructed after nature's plan and heated by hot water. The chicks get plenty of fresh air, abundance of light, and cannot crowd each other to death. They are convenient to clean and lamp is enclosed in galvanized steel box, for safety from all accident. No. 7, indoor, 75 chicks, \$13.50; No. 8, indoor, 150 chicks, \$17.00; No. 9 outdoor, 75 chicks, \$16.00; No. 10, outdoor, 150 chicks, \$23.50.



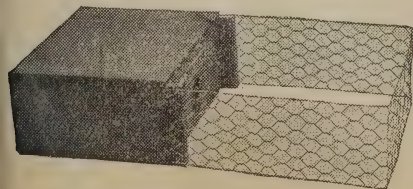
BUCKEYE PORTABLE HOVER

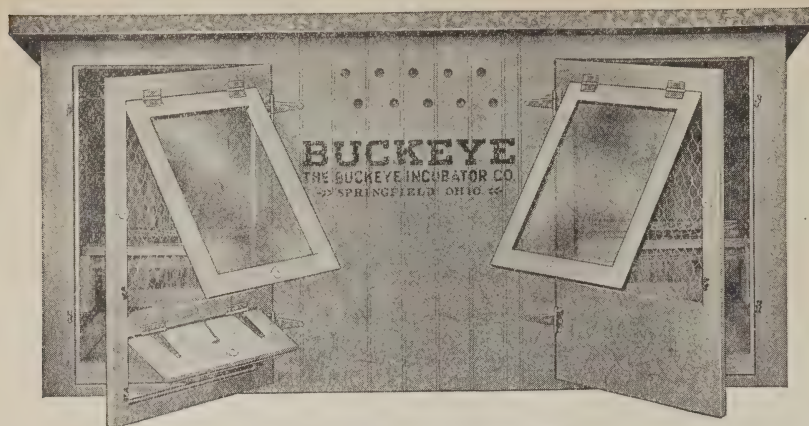
Heated by hot water, and is portable, can be successfully operated anywhere, in a brooder house, in a colony house, on a barn floor or under a shed or any other place suitable to welfare of young chicks. Nothing to look after but see lamp is kept filled. 150 chicks, \$13.50.



BUCKEYE FIRELESS BROODERS

Where you can provide a place where temperature will not fall below 50 degrees, these are splendid. Chicks cannot crowd, ventilation is good and they are easy to clean. No. 5 25 chicks, \$2.50; No. 6, 50 chicks, \$3.75.

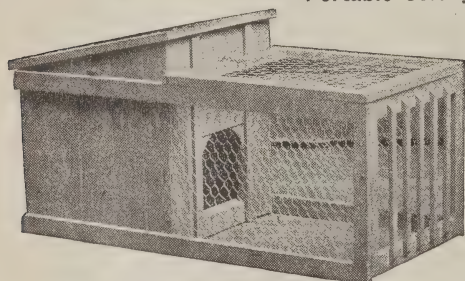




Portable Colony House.

BUCKEYE PORTABLE COLONY HOUSE

Invaluable for chicks. When they leave brooders, they must be kept in small flocks, must have low roosts, must be protected from bad weather, draughts, etc., and have plenty of air. We have provided for all this and they are storm proof. Size 6 feet long, 3 feet deep, 3 feet high. \$17.50.



BUCKEYE BROOD COOP.

For setting hens. Easy to clean, good ventilation. Hen must remain in coop, but chicks can get out through slats. Price \$5.50.

"SECURITY" PORTABLE BROODER

The Security Portable Brooder is all that the name implies—and more. It is the only lamp-heated brooder ever invented that possesses every desirable qualification for the welfare of the little chicks.

It is the only oil-burning brooder that provides every ideal condition which you know to be necessary to the health and growth of the chicks, and its construction is so simple that the operator cannot go wrong. There is nothing to adjust, nothing to get out of order, nothing to look after but the lamp—and that requires filling but once in 24 hours.

It is a combination of "Security" and "Simplicity" which insures those "just right" conditions that are so absolutely essential to the health and growth of the baby chicks. Price \$15.75.

BUCKEYE HOT WATER BROODER

A smaller but good edition of our Buckeye Brooders. Overhead hot water heat. No. 1, 60 chicks, \$9.50; No. 3, 100 chicks, \$12.00.

STANDARD COLONY BROODER.

The most remarkable coal burning brooder ever invented; the simplest, safest and most economical; will brood from 100 to 1500 chicks at once, and can be operated by a boy. The special stove only requires filling once a day and shaking down twice; it is a self-feeder and is self-regulating. The hover is 52 inches in diameter, has a handy arrangement for getting at stove to shake or empty ashes, and can be readily hoisted out of way to clean under it. It is guaranteed by the Buckeye Incubator Co. and has given the greatest satisfaction. Send for catalogue. Price \$20.00.

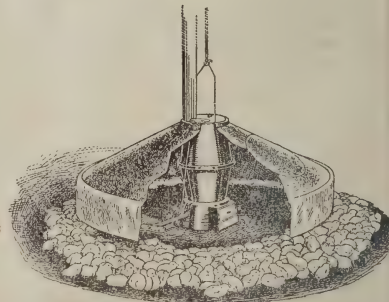
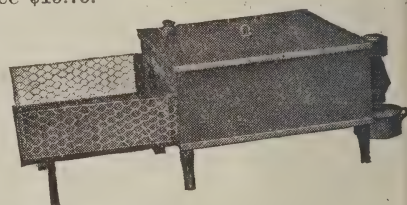
POULTRY PUNCHES—For marking chicks, etc., in order to keep record of them. Lansdowne, 50c each, postpaid. Stearn's, 35c each, postpaid.

THERMOMETERS, INCUBATOR — The best made, 75c each, postpaid. Holders for same, 20c each, postpaid.

EGG TESTERS—Invaluable for poultrymen. 40c each, postpaid.

POULTRY KILLING KNIFE—Made of best steel, with nickel handle. 70c each, postpaid.

LEG BANDS—Leader, Adjustable, Double Clinch, Open Chick or Pigeon—Made of aluminum, 1 doz. 20c; 4 doz. 60c; 100 for \$1.10, postpaid. **Smith Sealed**—Specially for breeders, 1 doz. 35c, 4 doz. \$1.20; 100 for \$2.25, postpaid. **Leader, Colored**, for keeping track of different broods, colors red, blue, green, yellow, pink, brown and tango. 50c doz., \$3.00 per 100; in open chick size, 25c doz., \$1.50 per 100, postpaid. **Celluloid Key Ring Bands**—In colors, black, blue, white, red, yellow, pink and green. Poultry size, 25c doz., 50 for 85c, \$1.50 per 100. For pigeons and chicks, 20c doz., 50 for 65c, \$1.00 for 100, postpaid.



Standard Colony Brooder.

POULTRY FOODS

A Perfect Poultry Feeding System for Breeders, Poultrymen and Housekeepers, increasing Healthy, Rapid Development and Increased Egg Production.

Prices subject to Market Fluctuations.

SCRATCH FOOD—Insures Exercise, Maintains Health and Insures Liberal Egg Yield.

Made from a dozen varieties of choice grains and seeds, each selected to perform its special function in keeping the hens in perfect physical and laying condition. These are mixed in proper proportions to make a perfectly balanced ration—and the larger grains are cracked or cut. **Directions for Feeding**—For every dozen hens use a slack quart of Scratch Food in the spring and summer, and a heaping quart in the fall and winter. Bed the pen with four to six inches of straw (litter), scattering the food in thinly, so that the hens will have to work it out. When you can keep your hens scratching their blood is circulating and good egg production is bound to follow. 5 lbs. 25c, 25 lbs. 90c, 100 lb. bag \$3.10. here.

BABY CHICK FOOD—A Complete Food up to Six Weeks Old.

Composed of choice grains and seeds—more than a dozen kinds, carefully selected—Perfectly granulated to precisely the right degree for youngsters, and screened clean of all fine stuff. This makes a perfectly balanced ration for healthy and rapid chick development, as well as best digestive results. Avoid feeding meal or other mash foods or table scraps to young chicks. **Directions for Feeding**—Little chicks, like children, are hungry all the time, and have to be fed sparingly every few hours in the day. If possible, bed their feeding place with an inch or two of cut alfalfa or clover. Scatter Baby Chick Food in lightly, as much as they can eat up clean. Do not overfeed. 5 lbs. 25c, 25 lbs. \$1.00, 100 lb. bag \$3.50 here.

DEVELOPING FOOD—For Chicks Six Weeks Old Up to Twelve Weeks.

A dry grain granulated mixture which insures uniform and even growth, with normal healthy feathering and rapid growth of bone and muscle. 5 lbs. 25c, 25 lbs. 95c, 100 lbs. \$3.25 here.

GROWING MASH—For Young Stock from 6 Weeks Old to Maturity.

Is unexcelled as a ground grain dry food for growing stock that is to be raised as layers or breeders. Promotes steady, uniform growth of bone and muscle. A hopper full should be kept constantly in reach of chicks 6 weeks old and older. 6 lbs. 25c, 25 lbs. 75c, 100 l s. \$2.40 here.

LAYING MASH—Gives Maximum Egg Yield.

A balanced ration of ground grains, blood meal and alfalfa ready mixed for hopper and wet mash feeding. Strictly a food, not a condiment or stimulant. 6 lbs. 25c, 25 lbs. 80c, 100 lbs. \$2.70 here.

FERTILE EGG MASH—Suitable for Wet or Dry Feeding.

A properly balanced ground grain bulky egg mash for poultrymen who wish to secure the best hatching results. It increases the quantity of fertile eggs. Scratch Food should be used in conjunction with it. 6 lbs. 25c, 25 lbs. 75c, 100 lbs. \$2.60 here.

FATTENING MASH—A Special Finishing Food.

A careful, intelligent combination of the best grain, alfalfa and meat meal, dry bone, etc., known for finishing off market fowls quickly and profitably, ground to a meal. It can either be mixed with sufficient water for a crumbly mash or made into a gruel for use in the stuffing machine. 6 lbs. 25s, 25 lbs. 80c, 100 lb. bag \$2.50 here.

ALFALFA—Mealed and Short Cut.

Alfalfa Meal is rapidly taking the place of clover meal as a green feed, and is far more nutritious, containing twice as much protein. It has a rich, green color, that looks as succulent and appetizing as it really is. But the ordinary commercial alfalfa meals are expensive—too much bulky fibre—the coarse stems and stalks ground up. Our Alfalfa Meal is from the tender, succulent tops and tendrils, and is cleaner, purer, more succulent, more appetizing—and more economical because it contains more nutrition to the pound. Short Cut, 7 lbs. 25c, 25 lbs. 75c, 100 lb. bag \$2.40. Mealed, 6½ lbs. 25c, 25 lbs. 80c, 100 lbs. \$2.50 here.

PIGEON FOOD—A Long Tested, Satisfactory Mixture.

Composed of the best grains and seeds. The health of the birds and rapid growth and weight of squabs are dependent on a good mixture. 5 lbs. 25c, 25 lbs. \$1.00, 100 lb. bag \$3.50 here.

CONKEY'S ROUP CURE.

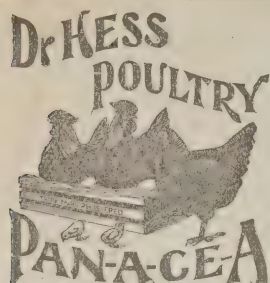
Conquers roup, the most fatal and dreaded disease of the poultry yard, and very contagious. It is usually the result of a cold, contracted from crowded house, exposure to cold and damp weather, drafty quarters or filthy surroundings. Symptoms: Sneezing, followed by difficult breathing; discharge from the nostrils and eyes, which quickly thickens, becoming cheesy looking; rattling in the throat; offensive odor, loss of vitality, etc. It is a positive cure for all forms of this disease. We guarantee this. If it should fail, your money will be refunded. It is placed in the drinking water, the fowl takes its own medicine without knowing it. Coming in contact with the head and throat membranes, it kills the germs at once. It is quickly taken up by the system, and cleanses the blood and builds up the system. It is equally effective for turkeys and for canker in pigeons. Price—35c box makes 10 gallons medicine, 65c box makes 25 gallons medicine, and \$1.15 box makes 75 gallons medicine, postpaid.

CONKEY'S CHOLERA CURE.

Is a positive cure for Bowel Trouble, Indigestion, Diarrhoea, Dysentery, Cholera, etc., in fowls, both old and young. It tones up the system and puts the flock in excellent condition. A fowl which is troubled with disease of the digestive organs usually loses its appetite and becomes very thirsty. Conkey's Cholera Cure takes advantage of this important point, as it is given in the drinking water, the fowl taking its own medicine. It is highly recommended for turkeys and pigeons. Price—35c box makes 20 gallons medicine, and 65c box makes 50 gallons medicine, postpaid.

CONKEY'S GAPE CURE.

A truly wonderful remedy for the cure of this disease. It is prepared so that it can be given in the soft feed, thus avoiding the necessity of handling the fowl, and relieving the poultryman of all labor. It builds up the health of the fowl and gradually overcomes the worm. It is absolutely sure and safe in its results. Also excellent for use as a preventative. Price, small box, 35c, large box, 65c, postpaid.



postpaid 20c; 26 oz. pkg. 25c, postpaid 50c; 4 lb. pkg. 50c, 5 lb. pkg. 60c, 12 lb. pkg. \$1.25; 25 lb. pkg. \$2.50 here.

DR. HESS' POULTRY PAN-A-CE-A.

Makes hens lay, prevents all diseases and cures roup, cholera, gapes, leg weakness, etc. For chickens, turkeys, ducks, and geese, something every poultryman needs, to have success in the business. It promotes the general good health of the fowl, greatly quickens digestion, and being a tonic, works all the various organs like a piece of machinery. Use Pan-a-ce-a and make your hens lay when eggs are at a high price. It is very valuable for young chickens when they are growing. 24 oz. package 35c, postpaid 60c; 5 lb. package 85c here.

PRATT'S POULTRY FOOD.

A necessity for all who keep poultry, a preventive as well as a sure cure for all poultry diseases, and a guaranteed egg producer. Makes larger fowls, and quickens the growth of young chicks. 8oz. pkg. 10c, 26 oz. pkg. 25c, postpaid 50c; 4 lb. pkg. 50c, 5 lb. pkg. 60c, 12 lb. pkg. \$1.25; 25 lb. pkg. \$2.50 here.

IDEAL POULTRY FOOD.

This excellent preparation is concentrated food made from the most nutritive ingredients possible, and will not injure fowls. Its results are secured not by abnormally exciting the digestive organs, but through its power of invigoration and building up the whole of the animal system. Results from carefully conducted experiments extending over a long period have shown conclusively that it is the best egg producer in existence. Splendid for turkeys, geese, chickens, ducks, pigeons, pheasants and all aviary birds. 26 oz. pkg. 25c, postpaid 50c.

DR. HESS' STOCK FOOD.

The best food for horses, cattle, hogs and sheep; thoroughly reliable and guaranteed to give satisfaction. 2 lb. pkg. 25c, postpaid 50c; 7 lb. pkg. 65c; 12 lb. pkg. \$1.00; 25 lb. pkg. \$2.00; 100 lb. pkg. \$7.00 here.

PRATT'S ANIMAL REGULATOR.

Highly concentrated. Cures hog cholera, makes pigs grow quickly, dairy cows produce more butter and milk, stops slinking of calves and makes them healthy, and regulates horses. 21 oz. pkg. 25c, postpaid 50c; 42 oz. pkg. 50c here; 72 oz. pkg. 75c here.

PRATT'S STOCK FOOD.

An excellent food for horses, cattle, hogs and sheep; guaranteed to give satisfaction, and thoroughly reliable; largely used. 7 lb. pkg. 50c; 12 lb. pkg. 75c; 12 lb. pail \$1.00, 25 lb. pkg. \$1.50, 25 lb. pail \$2.00 here.

DR. HESS' INSTANT LOUSE KILLER.

Kills lice, ticks, fleas, moths, ants and all kinds of vermin. Probably no single enemy is so universal among stock and poultry as lice. It is not a poison, but lasting, effectual and convenient to use, and the cheapest article that can be had. It is put up in round cans with perforated lids, ready for use. As a deodorizer and disinfectant it is entirely reliable for poultry houses, stables, pigeon lofts, pig pens, sinks, water closets, cesspools, garbage boxes, kennels, etc. It serves as an absolute preventive of disease and will speedily destroy all parasites that inhabit such places. It is especially adapted for the destruction of sheep ticks, a powder and easy to apply, overcoming the great disadvantage of dipping, and can be applied in cold weather, when the wool is long and the ticks are most numerous. 1 lb. tin 35c, postpaid 55c.

PRATT'S LOUSE KILLER.

A splendid disinfectant, as well as sure death to lice and all such vermin. 5 oz. package, 10c, postpaid 18c; 16 oz. pkg. 25c, postpaid 45c; 2½ lb. pkg. 50c here.

DR. HESS' HEALING POWDER.

Cures galls, scratches, grease heels, cuts, ulcers, burns, thrush, foul in the foot, indolent sores and open wounds of every description. It prevents excessive granulation, commonly known as proud flesh. It is also a reliable antiseptic. Flies will not attack wounds treated with this powder. 4 oz. tin 25c, postpaid 30c.

GRANULATED POULTRY BONE.

A little larger than wheat, and can be fed like any other food in grain, about one handful to every five fowls daily or every other day. In either manner it furnishes a valuable food for poultry at all seasons of the year. Hen size, 6 lbs. 25c, 25 lbs. 75c, 100 lb. bag \$2.60 here. Chick size, 6 lbs. 25c, 25 lbs. 75c, 100 lb. bag \$2.60 here.

CRUSHED OYSTER SHELL.

Peerless Brand. All breeders of poultry recognize the fact that a grit of some kind is a necessity. Even where fowls range, strength and plumpness are gained in providing them with Crushed Oyster Shells. The most frequent cause of hens not laying is the absence in the food of carbonate of lime. As it is practically pure carbonate of lime, it supplies, when fed to poultry, this most essential element, and greatly aids in the formation of the egg. Stone, lime, gravel, grits, etc., in fact nothing of a mineral character will equal it in beneficial results. Two sizes, hen and chick. 5 lbs. 10c, 25 lbs. 35c, bag of 100 lbs. 85c here, 5 bags \$4.00, 10 bags and over at 75c bag here.

PEARL POULTRY GRIT.

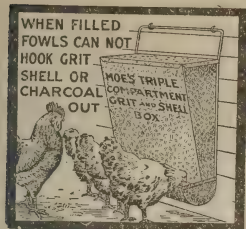
One of the principal reasons why so many do not have success in raising poultry is that the poultry cannot obtain sufficient grit to enable them to masticate their food in a proper manner, and strange to say, this is greatly neglected by a great many. It is necessary to feed some gritty material. It keeps and makes hens healthy, and if it is used you do not require oyster shells. In three sizes, large, medium and small. 5 lbs. 10c, 25 lbs. 25c, 100 lb. bag 75c here, 5 bags \$3.50 here, 10 bags \$6.50 here.

BLOOD MEAL—5 lbs. 25c, 25 lbs. \$1.15, 50 lbs. \$2.10, 100 lbs. \$4.00 here.
BEEF SCRAPS—5 lbs. 25c, 25 lbs. \$1.15, 50 lbs. \$2.10, 100 lbs. \$4.00 here.
BEEF MEAL 5 lbs. 25c, 25 lbs. \$1.15, 50 lbs. \$2.10, 100 lbs. \$4.00 here.

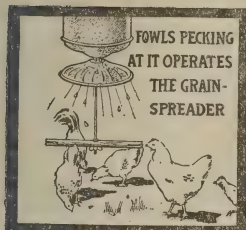
Prices subject to market fluctuation.



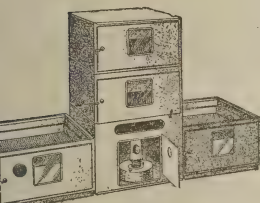
Buckeye Incubators
Hot Water System
Give Satisfaction



Grit and Shell Box.



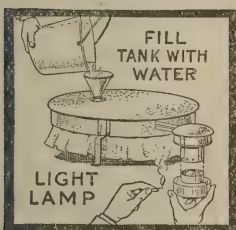
Feeder and Exerciser.



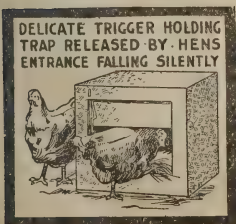
MOE'S HEATER FOR TOP FILL FOUNTAINS



Makes our top-fill fountains absolutely non-freezing, no matter what the weather. Simple and safe to operate. Cannot blow out in stormy weather. Price, ready to attach to Sanitary Fountain, \$1.



H. W. Hover.



Trap Nest.

ROUND BABY CHICK FEEDER—The most convenient and commodious feeder on the market; also used for water. Small size, 25c, large size 35c.

SANITARY FEEDING TROUGH—The feed saved will more than pay for these in two weeks; used for feed, wet mash or water. 12 inches long, 35c; 18 inches long, 70c; 24 inches long, \$1.00.

NEVER CLOG AND WASTE PROOF HOPPER—This Hopper does away with all trouble of feed clogging, no matter how coarse. 12 quart, \$1.00; 18 quart, \$1.35.

WALL FOUNTAIN—Very easy to fill, and can be hung up out of litter. ½ gallon, 50c; 1 gallon 70c; 2 gallon \$1.00.

GRIT AND SHELL BOX—Grit, shell and charcoal is no essential part of the diet, and these are the economical boxes for such. Can also be used as a Feed Hopper for little chicks. Two compartments, 35c; 3 compartments, 70c; 4 compartments \$1.00.

FEEDER AND EXERCISER—No feed is wasted and the exercise afforded keeps hens in laying condition. No. 52—8 quart, \$1.35. No. 51—4 quart, for low houses, to attach to wall, \$1.35.

KANT KLOG FEEDER AND EXERCISER—Makes layers out of your whole flock. 10 qt. \$2.75.

NEVER FAIL TRAP NEST—A solution of all trap nest troubles. It never fails. 12x12x12 in., \$1.10; 12x12x14½, \$1.45.

TRAP NEST FRONT—Made from galvanized iron, 11 inches wide, 12 inches high, with hinges, top fasteners and screws to attach to any nest, 50c.

SECTIONAL OAT SPROUTER—A reliable double walled Sprouter, adapted to any size flock. As the birds increase add a section, made of heavy galvanized iron. Base with lamp and two trays, \$9.75. Additional sections with two trays, \$4.75.

HOT WATER HOVER—Safe and simple. If the lamp goes out, the hot water keeps the chicks from getting chilled. 14½ inches in diameter, 30 to 50 chicks, \$4.50, 23½ inches in diameter, 125 to 150 chicks, \$7.50.

PIGEON FOUNTAIN—Can be hung up or placed on floor; small drinking surface and protecting hood keeps birds from contaminating the water. 1 gallon, \$1.70.

STAR JAR FOUNTAIN AND FEEDER—Made of one piece of non-rusting metal, will fit pint, quart, or half-gallon fruit jar. Each 15c.

SANITARY BROODER FOUNTAIN—Little chicks cannot get wet, sets in corner of brooder, cannot upset, can be hung up also. 1 qt. Style A 25c; 1 quart, 35c; 1 gallon, 70c.

SANITARY DRINKING FOUNTAIN—Fills from top, double wall keeps water cool in summer and retards freezing in winter. Square pan prevents spilling when hung up; can be used for two pens at same time. 1 gallon, \$1.35.

SANITARY BOTTOM FILL FOUNTAINS—Easily cleaned and will not burst from freezing, made in two pieces of best galvanized iron. 1 quart, 30c, 2 quarts 40c, 1 gallon 60c.

CLIP AND PUNCH—Splendid for marking baby chicks, on reverse side an equally good cigar clip, 25c.

NEVER FAIL GRAIN SPROUTER—Made entirely of metal, with a double wall, contains four trays, will sprout green food for 75 to 100 fowls, \$9.50.

RAT DESTROYER—Insures safety of your fowls, while poisoning rats and mice. Any poison can be used, but we recommend one that does the work without odor, such as Rat Corn. 14 inches in diameter, \$1.35. Rat Corn 25c pkg. and 40c pkg.

ELECTRIC EGG TESTER—This is the most powerful ever offered, speedy, simple and safe. Single light, \$2.75; Double light, \$4.00.

DOMESTIC PET FOUNTAIN—An ornament and most useful, made of copper, nickel plated. 1½ quart, \$1.35.



Sanitary
Feeding Trough.
Page 121.



Clip and Punch.
Page 121.



Rat Destroyer.
Page 121.

DAVIS SANITARY FOUNTAIN AND FEEDER—Holds 1 or 2 quart Glass Fruit Jar. Small size, 30c; large size, 40c each. Postage 10c each extra. Jars not included.

IMPERIAL ENAMELLED CHICKEN FOUNTAIN—Not breakable, and easily kept clean. 1 qt., 30c; 2 qt. 40c; 4 qt. 50c. Postpaid, 10c, 15c and 20c each extra, respectively.

CHARCOAL—Invaluable for poultry. Both hen and chick size. 2½ lb. cartons, 15c each. In 50 lb. sacks \$1.25.

NEST EGGS, LIME—50c doz., post paid 80c doz., a combined nest egg and lice killer.

LAMP WICKS—5c each, 30c doz., postpaid.

RICE'S LAYMORE LAYING FOOD—Nothing Better—A properly balanced mixture which ensures an abundance of eggs if used regularly. A perfect egg former, meat and vegetable. Directions on every package. 5 lb. carton 25c here.

CLOVER CUTTER—A very useful machine for cutting clover, alfalfa, cabbage, leaves, etc., Can cut enough for 100 fowls in 5 minutes. Affix to bench or table. \$4.00 here.

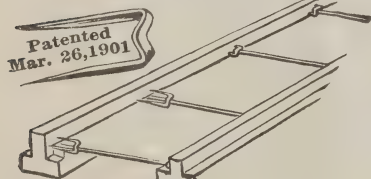
REGAL GARDEN GLOVES—A strong, useful glove, giving full use of the fingers, but protecting the hand. Just the thing for garden work and also on the farm. They are well made and will wash, thus lasting a long time. Made in men's sizes, large and medium, and also womens' and boys' sizes. 15c pair, postpaid 20c pair.

FLOWER POTS, WATERPROOF PAPER—Cheaper and lighter than clay pots, thoroughly waterproof and can be used over and over again; no loss from breakage. 2¼ in. 10c, 2½ in. 12c, 3 in. 15c, 3½ in. 20c, 4 in. 25c, 5 in. 35c, 6 in. 50c per dozen here. Postpaid, first four sizes, 10c dozen, last three sizes, 20c dozen extra.



Glass Floating Dairy Thermometer. 35c postpaid.

"PEERLESS" GLAZING POINT.
(Improved Van Reyper.)



Peerless Glazing Points.

Used by all practical florists and market gardeners.

No. 1 for small single thick glass.

No. 2 for large single thick glass.

No. 3 for double thick glass.

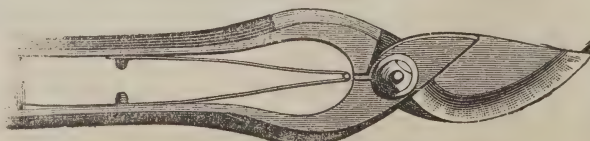
Per 1,000 75c; 10,000 \$6.50 here.



Geyser Flower Bed Sprayer. Page 113.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY.

Half liquid, superior to ordinary putty; will not crack or peel. 1 gallon glazes 300 lineal feet. Apply with Scollay's Putty Bulb. ½ gallon, \$1.35, 1 gallon, \$2.50.



Pruning Shears \$1.25 to \$2.75.



HEDGE SHEARS.

Polished steel blades,
\$1.50 to \$3.50.

GREEN BONE MEAT AND VEGETABLE CUTTERS

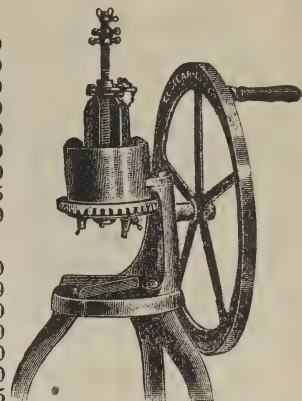
They will cut green bone fine enough for bantams and chicks, without making splinters or chunks. The fastest, fine cutting and easiest running machine on the market. They will not clog with gristle or clear meat, as the cutter head clears itself. Strongly made to stand the most wear and tear, and are least liable to get out of order. Write for catalogue.

THE STEARNS.

No. 3,	with fly wheel, on stand.....	weight 260 lbs.	\$43 00
No. 7,	with fly wheel, on stand.....	weight 200 lbs.	26 50
No. 6,	with fly wheel, on stand.....	weight 135 lbs.	20 00
No. 6,	with fly wheel, for bench.....		15 50
No. 2,	with fly wheel, for bench.....	weight 56 lbs.	15 50
No. 5,	with fly wheel, on stand.....	weight 125 lbs.	15 00
No. 4S,	with fly wheel, on stand.....	weight 100 lbs.	14 00
No. 4,	with fly wheel, for bench.....	weight 46 lbs.	10 75
No. 4,	with crank, for bench.....	weight 26 lbs.	8 00

IMPROVED MANN'S PATTERN.

No. 12,	with fly wheel, on stand.....	weight 260 lbs.	\$40 00
No. 11,	with fly wheel, on stand.....	weight 215 lbs.	34 50
No. 9,	with fly wheel, on stand.....	weight 170 lbs.	24 50
No. 7½,	with fly wheel, on stand.....	weight 150 lbs.	21 50
No. 7,	with fly wheel, on stand.....	weight 110 lbs.	16 00
No. 5,	with fly wheel, on stand.....	weight 85 lbs.	14 00
No. 5,	with fly wheel, for table.....	weight 60 lbs.	10 75
No. 5,	with crank, for table.....	weight 35 lbs.	8 00



Mann's Pattern.

STOVER'S GREEN BONE CUTTER.

As all poultry raisers recognize the fact that green bone and fresh meat, properly cut, affords a food that produces eggs in a season of the year when eggs are high priced. A green bone cutter will pay for its first cost in a very short time.

The chief objection to most is that they are too hard to operate. This machine is equipped with a combination fly wheel and pulley, same as used on 35B Hand Grinding Mills, hence it can be operated by hand or power as desired. It is equipped with hardened steel cutter knives that can be quickly adjusted for cutting coarse or fine by tilting machine back. It is fitted with a screw feed and a spring governor, so that it can be set to suit the strength of the operator, or for cutting fast or slow. The automatic self-governing feed supplies just the right amount of bone to the knives to fit the strength of the operator, or power of the engine. A receptacle for catching the cut bone can be placed directly below the cutting knives. Shipping weight, 80 lbs. Price \$18.00.

CAPONIZING SETS.

There is no doubt in the minds of up-to-date poultrymen as to the advantages of caponizing. The operation is very simple, and with a Set any boy 12 years of age can perform it with safety and thoroughness. Capons sell on the market as a rule from five to eight cents per pound higher than other chickens, and the demand is always good, and is steadily growing. No more efficient, simple or more easily operated sets are offered. Prices: Pilling Special—Set in oak case, postpaid, \$5.25. Philadelphia—Set in velvet lined case, postpaid, \$4.00.

STERLING DIARRHOEA REMEDY.

This remedy is guaranteed to relieve young chicks or full grown fowls from diarrhoea, also white diarrhoea and all bowel trouble, unless where young chicks have reached the last incurable stage. It is also a splendid preventive. It is readily taken in their drinking water. Complete directions with the box. Price, box, 60c, postpaid.

DIRK'S RED MITE KILLER.

One application kills all mites and prevents their reappearance during the season. Keeps fowl free from body lice, makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Bed bugs will give no trouble where used. Price, quart, 65c; ½ gallon, \$1.10; gallon, \$1.90. Booklet free.

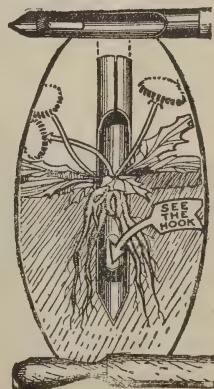
HALL'S DANDELION PULLER—It does not root up the lawn, but gets the dandelion by the roots. Satisfaction guaranteed. 50c each here.

SILKALINE—For Florists, for stringing Smilax and other training plants. It is very strong and a fast color; color green, and does not fade; made in three sizes—fine, medium and coarse. 2 oz. spools, 25c each; per lb. \$1.75; postpaid, \$2.00 per lb.

ACME ASPARAGUS BUNCHER—A very handy machine for bunching Asparagus, which saves time. It has a knife guide and adjustable headpiece for regulating length of bunch. No. 1 makes 3 to 3½ inch bunch, and No. 2 makes 4 to 5 inch bunch. Each \$2.00 here.

SURE THING FLY KILLER OIL—The best compound for keeping flies off horses and cattle and killing lice on hens, etc. In 1 qt. tins, 40c; in ½ gallon tins, 65c; in strong gallon tins, \$1.10 here.

CLEAN CUT TREE PRUNER—An invaluable implement in the orchard for lopping off boughs; has a long handle by which you can reach 11 or 12 feet from the ground. \$2.00 each here.



Dandelion Puller.

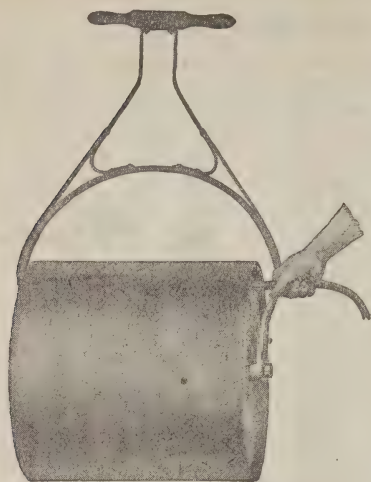
ROLLER BEARING ROLLERS

It is impossible to keep a lawn in perfect condition without a roller, and same should be in constant use throughout the spring and summer. We here offer the best made and easiest running on the market, through the use of roller bearings and high carbon steel, perfectly round and smooth axles.

Water Weight Hand Roller—It is electrically welded, making water sections one solid drum, no rivets, cannot leak; it is filled or emptied without standing on end. One section, 24 inches, filled with water, 300 lbs., with sand, 500 lbs., \$12.50. One section, 24 inches, weight, filled with water, 500 lbs., with sand, 800 lbs., 15.50. Two sections, 12 inches each, same weight, \$19.50. These rollers are made with an attachment which keeps the handle upright when not in use. We recommend this roller very highly; it is much superior to the old style, with weights.

Hand Lawn Roller—Smooth on surface, finished in aluminum, round outer edges, to avoid cutting the lawn, with counter balancing weights to keep handles upright at all times, made in two sections of 12 inches each. 200 lbs. \$12.50, 300 lbs. \$17.50, 450 lbs. \$27.00.

Cricket and Lawn Tennis Roller—This weighs 800 lbs., but weights will remove to reduce to 350 lbs. End steel plates for forming drum are butted, not lapped, and rolling surface perfectly smooth. One section, 32 inches, \$55.00.



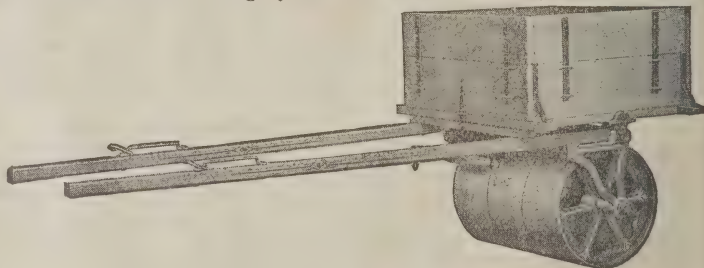
Water Weight Hand Roller.

ONE HORSE GRASS SEEDER.

Individual automatic press wheels follow each disc and firm the earth over the seed, thus retaining the moisture which is so essential to plant growth. The discs and press wheels automatically conform to the inequalities of the ground and seed hollows, as well as the level portions. All old sod is root bound, roots locked together, the cutting action of the discs relieves this condition, cultivates the grass roots, lets the air in and at the same time plants the seed in the sod. We cannot too strongly recommend these for Parks, Tennis Courts and Golf Grounds, and if used you will have a thick, matty turf free from weeds, because these cannot thrive in a thick grass sod. Their use saves re-plowing, re-digging or marring the surface. They are largely used in the United States, where they have had exhaustive trials and are highly recommended. Price \$85.00.

ROLLER GOLF CART.

Equipped with a strong box to convey material or for collecting stones, sticks, etc. It is equipped with well balanced arrangement for dumping; improves the ground and does away with damage caused by using barrows or carts. 3 sections, 36 inches, 900 lbs., \$75.00. Shafts and single trees included.



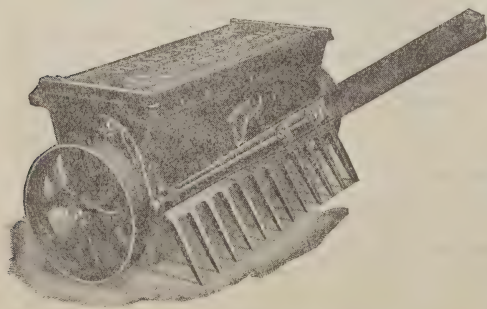
Roller Golf Cart.

HAND LAWN SEEDER.

This distributes the seed evenly and accurately, shifting lever can be set to sow any quantity; one movement of the gauge lever changes all the feeds; force feed. Sows equally well whether on sod or not; has cutting discs which open narrow furrows in sod where the seed is deposited. Price \$22.00.

FERTILIZER AND GRASS SEEDER.

Sows Bone Dust, Sheep Manure and other Fertilizers; also Grass Seed on new plots evenly and accurately. Sets close to ground, so wind cannot affect it. Is equipped with rake or cultivating attachment, which works fertilizer and seed into ground and smooths the surface at one operation. Price \$12.00.



Fertilizer and Grass Seeder.



Hedge Trimmer.



Hand Lawn Seeder.

See page 126.



THE RITTENHOUSE

Formerly the Little Giant Geared Hand Broadcast Seed Sower

No. 3—The greatest labor saving invention of the age. The strongest, prettiest, lightest and easiest running Seeder made. The agitator or force feed is of great advantage. It has also among other advantages, a pressed tin distributing wheel, hand hold on the side, and no feed plate to carry. They will pay for themselves many times in one season. Satisfaction guaranteed. It will distribute accurately all kinds of fertilizer, land plaster or ashes. Flax or Clover Seed, 36 feet to the round; Wheat, 50 feet to the round; Buckwheat 46 feet to the round; Barley, 40 feet to the round; Timothy Seed 27 feet to the round; Oats, 36 feet to the round. Sows 50 acres per day. Price \$1.60 here.

No. 4—Made by the same manufacturer and on the same plans as the above Seeder, but not quite so large, and consequently will not do as much work in the same time. It is also of lighter make, but will do just as good work. Price \$1.20 here.

Double Fan—This is the most efficient of all, the Double Distributing Wheel being a great advantage, for the two fans revolve in opposite directions, throwing the grain further and more evenly than seeders with single distributing wheel. Sows 60 acres per day. Price \$2.40 here.

We highly recommend these Seeders, and have many letters testifying to their great usefulness. The cheapest way to send either Seeder is by express, which costs 25c to nearby places and 50c to distant points. Where there are no express offices, we can mail them for 60c each extra.

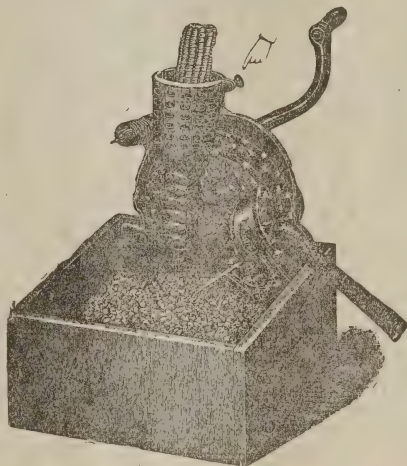
HAND CORN SHELLER WITH SEPARATOR

Note the regulatting thumb-screw, enabling the sheller to be set for either large or smal. corn. It shells clean and without effort. Good work may also be done on Pop Corn. There are no breakable parts, as the light pieces are malleable. Chilled shaft and bearings. A very useful implement, and one that should be in possession of every farmer that uses corn. Weight racked, 20 lbs. Price \$2.75 here.



NO. 32 HAND GRINDING MILL

In this are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry, also table meal for family use. It is strong and well made throughout of excellent finish, has a 16-inch fly wheel, and is light running. Weight 40 lbs. The capacity of this mill is not equalled by any other of the same size, and will do from 1 to 2 bushels per hour. Price, \$5.50 here.



NO. 33 HAND GRINDING MILL.

This machine has about the same capacity as No. 32, but is of heavier construction, is fitted with a hardened steel worm for supplying the burrs, and has larger opening to them, so that it is more adaptable for grinding dry bone and oyster shells than No. 32. Size of fly wheel 18 in.; shipping weight 45 lbs. Price \$7.00 here.

NO. 35 HAND AND POWER GRINDING MILL.

This grand mill is truly a wonder. Like No. 33, it is fitted with a hardened steel worm and with large opening to burrs for grinding larger pieces of dry bone and oyster shells than Nos. 32 and 33. **Feed Plate**.—This machine is equipped with feed plate to regulate the flow of grain, etc., to grinding burrs, according to the amount of power applied. No other hand grinding mill built by anyone is equipped with a feed plate. **Hopper**.—The hopper is extra large and so designed that corn and other grains will be fed to the burrs without bridging, a very common fault in all other mills. It is fitted with combination fly wheel and pulley. This novel combination provides for the operation of the mill by hand when desired and by simply taking out three small bolts, the outer rim or wheel part can be removed, which leaves a 10 x 2 inch face pulley, so that mill can be operated by small gasoline engine. When equipped with this pulley only it is known as 35A. To completely appreciate the value of this grinder it must be seen and operated. It is the only feed mill of its kind and will pay for itself in a few weeks' work. Size of combination fly wheel, 20 in.; size of pulley part of combination, 10 x 2 in.; speed when operated by engine, 100 to 400 R. P. M.; capacity hand power, 2 to 4 bushels per hour; capacity engine power, 3 to 5 bushels per horse power per hour. Shipping weight, 60 lbs. Price \$11.00 here.

None of the machines before described will cut green bone, meat or table refuse.

PRICE LIST OF VALUABLE BOOKS, POSTPAID

Agriculture, A. B. C. of Weld.....	\$ 55	Fruit Grower, Practical. Maynard	\$ 55
Alfalfa. Coburn, F. D.....	55	Forcing Book. Bailey, L. H.....	1 40
Alfalfa, The Book of. Coburn, F. D.....	25	Forestry, Practical. Fuller, A. S.....	1 65
Asparagus. Hexamer, F. M.....	55	Fruit Growing, Beginners' Guide. Waugh, F. A.....	90
Bean Culture. Sevey, G. C.....	60	Fruit Growing, Principles of. Bailey, L. H.....	1 98
Cabbage, Cauliflower and Allied Vegetables. Allen.....	55	Farm and Garden Rule Book. Bailey, L. H.....	2 25
Carrots, Mangold Wurzels, etc., On. Gregory.....	35	First Principles of Feeding Farm Animals. Burkett.....	1 65
Celery Culture. Beattie, W. R.....	55	Farm Animals. Hurst & Burkett.....	1 65
Clovers, and How to Grow Them. Shaw, Thos.....	1 25	Farm Conveniences.....	1 10
Cow Peas.....	35	Horticulturists Rule Book, Bailey, L. H.....	1 10
Corn, Book of. Myrick, H.....	1 65	Gardening—Principles of Profitable. Bailey, L. H.....	1 65
Crops. Spraying. Weed, Clarence M.....	55	Fumigation Methods. Johnson, W. G.....	1 10
Drainage, Farm. French.....	1 10	Grape Growers' Guide. Charlton.....	85
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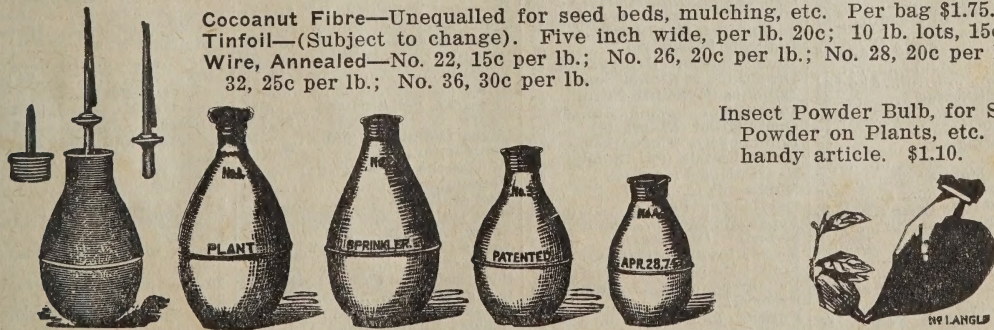
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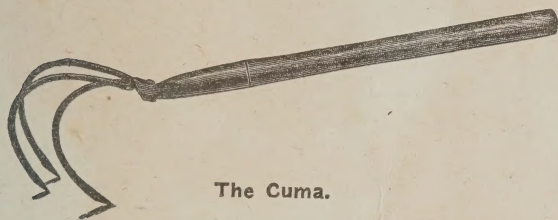
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Especially adapted for working among carnations, roses, etc. Equally as valuable to the market gardener and nurseryman; and the best all-round weeder for the private garden.

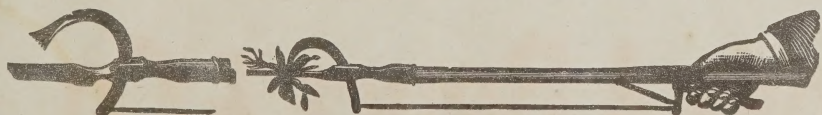
Does not cut or destroy the roots of the plants. The pushing edge is thin enough to work easily through the soil, but too dull to damage the stems of the plants, should it come in contact with them. The inner edge is sharp. Takes out all the weeds, its oval shape permitting the operator to weed behind the plants while standing in front. 35c each here, 45c postpaid.

BROWN'S

PAT. BY THOMAS L. BROWN, SEPT. 27, 1904

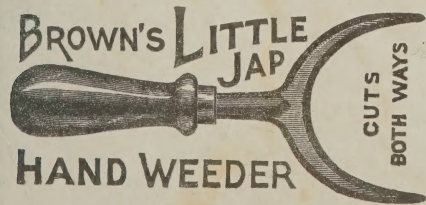
EASY WEEDER

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CLEVELAND LAWN WEEDER

No More Broken Backs—This device gets at the root of the evil and removes it bodily. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant and a slight pull suffices to dislodge the same without disturbing surrounding sod. Price 75c each here.



CUTS BOTH WAYS

HAND WEEDER

BROWN'S LITTLE JAP HAND WEEDER AND THINNER

It does the work rapidly and in a thorough manner and will work two rows at a time. It has four cutting edges, can be used right or left-handed, and does no injury to plants, no matter how small. 25c each, postpaid 30c.

1c
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12
4 2
36
43 50
39
ESTABLISHED 1850



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